B Julius A Line 30

10/5374/4

Remarkary
Remar

ACOS REC'S POTAPTO 0.3 JUN 2009

Exhibit 1

BAKER BOTTS L.L.P. ATTORNEYS AT LAW 30 Rockefeller Plaza 44th and 45th floors New York, New York 10112-0228

INQUIRIES:(212) 705-5000 TAXPAYER I.D. #74-1195457

Invoice No.	Date	Voucher	Gross Amount	Discount	Net Amount
15425529	06/03/2005	PAR A35477PCTUSA 1188543	jl 45flr 1,000.00	0.00	1,000.00
Check No.	176360	Check Date 06/03/2	005 Vende	or No. 11135	
Vendor Name	COMMISSIONER (F PATENTS AND	Total	Amount	1,000.00

Chase Bank, N.A. New York, New York

BAKER BOTTS L.L.P.
ATTORNEYS AT LAW
New York Operating Account

Exhibit 1

CHECK # 176360 06/03/2005

\$ ******1,000.00

PAY ONE THOUSAND AND 00/100 Dollars

NOT NEGOTIABLE SIX MONTHS FROM THE DATE OF ISSUE TWO SIGNATURES REQUIRED OVER \$2500.00

COMMISSIONER OF PATENTS AND TO THE TRADEMARKS ORDER OF

#176360# #021000021# #967340306#

Express Mail Label No.: ED291e01538US

PTO-1390 (Rev. 12-2004)
Appr. for use through 3/31/2007, OMB 0651-021
U.S. Palent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, r	to parsons are required to respond to a colle	stion of information unless it displays a valid OMB control number.				
TRANSMITTAL LETTER TO T	ATTORNEY'S DOCKET NUMBER					
DESIGNATED/FLECTED OF	A35477 PCT USA (066855.) U.S. APPLICATION NO. (If known, see 37 CFR 1.5)					
CONCERNING A SUBMISSION	UNDER 35 U.S.C. 371					
INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED						
PCT/US2002/039248 6	DECEMBER 2002	6 DECEMBER 2002				
TITLE OF INVENTION A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES						
APPLICANT(S) FOR DO/EO/US David Warren Badger, Dale Benner, Elizabeth	Ann Waldman and Girish Marathe					
Applicant herewith submits to the United State	s Designated/Elected Office (DO/E	O/US) the following items and other information:				
1. This is a FIRST submission of items conor	eming a submission under 35 U.S.C. 3	ri.				
2. This is a SECOND or SUBSEQUENT sub-	mission of items concerning a submissi	ion under 35 U.S.C. 371.				
 This is an express request to begin nation. (5), (9), (9) and (21) Indicated below. 	al examination procedures (35 U.S.C. 3	(71(f)). The submission must include livins				
4. The US has been elected (Article 31).						
5 A copy of the International Application a	s filed (35 U.S.C. 371(c)(2))					
a. 🗹 is attached hereto (required or	nly if not communicated by the Internati	onal Bureou).				
b. has been communicated by the						
c. is not required, as the applical	tion was filed in the United States Rece	iving Office (RO/US).				
6. An English language translation of the I	nternational Application as filed (35 U.S	3.C. 371(e)(2)).				
a. is attached hereto.						
b. has been previously submitte						
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))						
a. are attached hereto (require	d only if not communicated by the inter	national Bureau).				
b. have been communicated by						
c. have not been made; howev	er, the time limit for making such amer	idments has NOT expired.				
d. have not been made and will						
8. An English language translation of the		Article 19 (35 U.S.C. 371(c)(3)).				
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).					
10. An English language translation of the Article 36 (35 U.S.C. 371(c)(5)).	annexes of the International Preliminar	y Examination Report under PCT				
items 11 to 20 below concern document(s)	or Information included:					
11 An Information Disclosure Statement u	inder 37 CFR 1.97 and 1.98.					
12. An assignment document for recording	 A separate cover sheet in compliance 	e with 37 CFR 3.28 and 3.31 is included.				
13. A preliminary amendment.						
14. An Application Data Sheet under 37 C	FR 1.76.					
15. A substitute specification.		•				
16. A power of attorney and/or change of	address letter.					
17. A computer-readable form of the sequ	ence listing in accordance with PCT R	ule 13ter:2 and 37 CFR 1.821-1.825.				
18. A second copy of the published intern	ational Application under 35 U.S.C. 15	4(d)(4).				
The second convict the Spellsh tonound	e translation of the international applic	ation under 35 U.S.C. 154(d)(4).				
20. Other items or information: Published	d Appln. WO 2004/053763 w/Sean	th Report, PCT/ISA/220, PCT/IB/308				

Let 14 years desired or following in myrated by 20 YEM 1.614 and 1.491-1.462. The binoceasion is required to define or efforts a terrain by the page, code 1.6 to 1614 to 151 years of the process of the

Express Mall Label No.: ED291601538US

Approved for use through 32/1/2007, OMB 0851-0021
U.S. Patent and Trademerk Office; U.S. DEPARTMENT OF COMMERCE

	ON NO. (if known	see 37 CFR 1.5)	INTERNATIONAL API	PLICATION NO.	ATTORNEY'S DO	CKET NUMBER
O.S. APPLICATI	1014 140. (II AIIDIIII	, 000 07 01 11 11 11 11	PCT/US2002/039248		A35477 PCT USA (0	65855.)
T1 - 4-9	owing fees have b	non gubrolited			CALCULATIONS	PTO USE ONLY
21. A Basi	paring ices have in	per sucrimina		\$300	\$ 300.00	
If International p			ed by USPTO and ell claims		\$ 200.00	
	ns					
Search fee (37 C internatio	nal Searching Aut	honly	e International application to to the Office.	\$400	\$ 400.00	
					\$ 900.00	
Additional fo	TOTAL OF 21, 22 e for specification sting or computer p	and drawings filed	in paper over 100 sheets (ex d in an electronic medium), paper or fraction thereof.	coluding		
The fee is \$	250 for each adds				1	
Total Sheets	Extra Sheets	Number of each thereof (round s	additional 50 or fraction up to a whole number)	RATE		
- 100 =	0 /50 =		0	x \$250	\$ 0.00	
Surcharge of \$1:	30.00 for furnishing tate (37 CFR 1.49)	the cath or decla 2(e)).	ration later then 30 months fr	om the earliest	\$	
CLAIMS		ER FILED	NUMBER EXTRA	RATE	\$	
Total claims	22	- 20 =	2	x \$ 60	\$ 100.00	
			0	x \$200	\$ 0.00	
Independent cial				+ \$360	\$ 0,00	
MULTIPLE DEP	ENDENT CLAIM(s) (ii applicable)	TOTAL OF ABOV	E CACULATIONS =	\$ 1,000.00	
		batim Con 27 CEE	1.27. Fees above are redu		11,000,000	
Applicant of	aims small entry s	tatus, oue or or .		SUBTOTAL **	\$ 1,000,00	
Processing fee	of \$130.00 for furn	shing the English	translation later than 30 mon		\$	
claimed priority	date (37 CFR 1.49	2(1)).	TOTAL	NATIONAL FEE =	\$ 1,000.00	
Fee for recording by an appropriate	g the enclosed as: to cover sheet (37	CFR 3.28, 3.31).	1.21(h)). The assignment mu \$40.00 per property		\$	
			TOTAL	EES ENCLOSED =		
					Amount to be refunded:	\$
					Amount to be charged:	\$
a. A che	ck in the amount of	of \$ 1,000.00	to cover the ab			
b. Pleas	e charge my Depo	sit Account No. 0	2-4377 in the amount of			
c. Z The C	ommissioner is he	reby euthorized to	charge any additional fees w py of this sheet is enclosed.	vhich mey be required	i, or credit eny overpay	ment to Deposit t
			ARNING: Information on this card information and authoriz	form may become o	ublic. Credit card info	mation should not
		ne limit under 37	CFR 1.495 has not been m	et, a petition to revi	ve (37 CFR 1.137(a) o	r (b)) must be filed
and granted to	restore the inter	national Applica	tion to pending status.	1		ma**
				SIGNATUR		
Paul A. Rag BAKER BO	USA FTS.LIP			Paul A. Ra	gusa	
30 Rockefel	ier Plaza					
New York, N				38,587	TION NUMBER	

FORM PTO-1390 (REV. 02-2005)

(19) World Intellectual Property

Orid Intellectual Property Organization International Bureau

(43) International Publication Date 24 June 2004 (24.05.2004)

(10) International Publication Number WO 2004/053763 A1

(51) International Patent Classification7: G06F 17/60

(21) International Application Number:

PCT/US2002/039248

(22) International Filing Date: 6 December 2002 (06.12.2002)

(25) Filing Language: English

(26) Publication Language: English
(71) Applicant (for all designated States except US): IMS
HEALTH INCORPORATED [US/US]; 660 West Ger-

mantown Pite, Plymouth Meeting, PA 19462 (US).

(72) Inventors, and
(75) Inventors'Applicants (for US only): BADGER, David,
Warren (US/US); 238 W. Mt. Vernon Street, Lansdale,
PA 19446 (US). BENNER, Dale [US/US]; 1050 School
House Road, Pennshurg, PA 18073 (US). WALDMAN,
Blizabeth, Ann (US/US); 3 Devno Drive, New Hope, PA

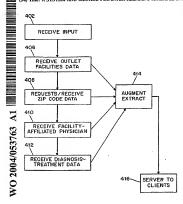
18938 (US), MARATHE, Girish [IN/US]; 1111 Whitpain

Hills, Bian Bell, PA 19422 (US), HEBRON, Marjory, Bedt (1953) (105 Janahua Direc, North Wader, 1953), BEWYTT-BERN, L. (US/US); 1970 Content Street, 1973, Philadelphia, PA 1972 (US), TEN, 1974 (US), 1972 (US), TEN, 1974 (US), STOYLE, David, J. (US/US); 1678 Coff, Road, East Greenville, PA 18444 (US), STOYLE, David, J. (US/US); 1678 Coff, Road, East Greenville, PA 18444 (US), SORIA, Luis (US/US); 710 Rigwood Abovane, Pompton Lakes, NJ 07422 (US)

(74) Agent: RAGUSA, Paul, A.; Baker Botts LLP, 30 Rockefeller Plaza, New York, NY 10112-4498 (US).

[Continued on next page]

(54) Title: A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES



(57) Abstract: A system and method of inter-relating multiple data types to provide a comprehensive data output reflecting non-retail sales of pharmaceuticals is disclosed. In particular, the system and method of the present invention provides for receiving non-retail pharmaceutical delivery information of pharmaceuticals deliver to outlets from manufacturers or distributors, where the data is primarily inconsistent and features many voids (102, 104, 202-204). The present invention inter-relates one or more reference datum from other sources (402-412) in a cross relational manner to ensure that voided fields in the pharmaceutical deliver information are populated and/or verified (414). The present invention also provides means to configure pre-defined queries of the data extract for efficient service of reports for clients (416).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guldance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette. WO 2004/053763 PCT/US2002/039248

A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES

FIELD OF THE INVENTION

The present invention is directed to techniques for inter-relating multiple data types, and, in particular, to the manipulation and inter-relation of various types of data to create a augmented comprehensive data output.

BACKGROUND INFORMATION

The pharmaceutical industry is one of the largest income generating industries in the world. However, there are a great number of pharmaceutical companies producing the same or equivalent drugs. Thus, it has become increasing important for these manufacturers to be able to generate data indicating their market share in various geographic regions, as well as the quantity of specific drugs sales in each area.

At present, manufacturers are able to monitor their retail sales with reasonable accuracy. Retail sales are essentially drug sales to retail stores ("retail outlets"), such as the commonly known "drug store." These retail sales are fairly traceable because the data relating to the deliveries to retail outlets is kept in great detailed.

With this comprehensive data, multiple reports and analysis may be conducted. These reports can be used, for example, to help a manufacturer determine in which geographic regions to focus their efforts to retain or gain market power, determine which physicians to send pharmaceutical samples, and which regions to target due to under performance. The ability to track and trace these retail sales does indeed assist the manufacturers greatly, however, retail sales do not represent the total pharmaceutical market.

A significant portion of the pharmaceutical market involves "non-retail sales."

Non-retail sales are most notably drug sales terminating in hospitals, departments in hospitals, clinics and in individual physician offices ("non-retail outlets"). For example, when a person is admitted to a hospital for surgery, many drugs are dispensed to that patient, i.e., anti-inflammatory drugs, infection preventative medication, etc., from within the hospital's own inventory. Data for drugs delivered to the non-retail outlets, for patient consumption, is not maintained in any consistent manner and certainly is not as comprehensive as the data received relating to deliveries to retail outlets. Hospitals and other

WO 2004/053763 PCT/US2002/039248

non-retail outlets are under no requirement to provide data of the same magnitude as the retail outlets. Further, the non-retail portion of the market is comprised of a complex matrix of non-retail outlets, many of which are affiliated with a common umbrella organization which may or may not do the ordering for multiple non-retail outlets falling thereunder.

Thus, the situation exists where a non-retail outlet may be a key purchaser of an expensive drug, a fact a pharmaceutical company would surely want to know in order to better cater to that non-retail outlet and physicians affiliated therewith, yet appear not to be such a purchaser because the data relating to the deliveries to the non-retail outlet does not exist in a comprehendible form. Thus, it is difficult to get a clear understanding of the respective market shares of drug purchases from pharmaceutical manufacturers, and regional analysis of the above. Accordingly, there exists a need for a technique to provide comprehensive record information of pharmaceutical sales to non-retail outlets.

5

15

20

OBJECTS AND SUMMARY OF THE INVENTION

An object of the present invention is to receive pharmaceutical delivery information pertaining to the sales of pharmaceuticals, from manufacturers and other distributors to non-retail outlets, and augment the pharmaceutical delivery information by inter-relating one or more reference datum, where the reference datum shares at least one cross relational property with the pharmaceutical delivery information.

It is a further object of the present invention to provide for multiple un-related types of reference datum, where the reference datum provides more detailed information than that originally contained in the non-augmented pharmaceutical delivery information.

In order to achieve these objectives, as well as others which will become apparent in the disclosure below, the present invention provides techniques for the manipulation and inter-relation of various types of reference datum to pharmaceutical delivery information ("the extract") to create a comprehensive data output of pharmaceutical sales/deliveries to non-retail outlets. Non-retail sales/delivery data may be received on a weekly or monthly basis ("the extract") from a number of manufacturers or distributors. Manufacturers or distributors supply pharmaceutical delivery information that may display sales/delivery of pharmaceuticals to a plurality of non-retail outlets. The majority of such data is wholly inadequate for any type of meaningful analysis and at most provides a unique code of an outlet which received a delivery, as a consequence of an order placed with a

manufacturer or distributor; the pharmaceutical delivered; the zip code of the outlet the pharmaceutical was delivered; date of delivery; and the quantity. Since such data are not uniform and fairly un-useful in its native form, the present invention provides a technique which adapts to perform a complex inter-relationship, together with predictive modeling, to better populate the extract, such that the extract becomes as comprehensive and usable as the retail sales data.

In a preferred embodiment, the extract is inter-related with reference datum that includes an exhaustive list of non-retail outlets and facilities.

In another preferred embodiment, the extract is inter-related with reference datum that includes an exhaustive list of facilities and individual physicians that are affiliated with those facilities. Preferably, this inter-relation is performed after the above inter-relation of the exhaustive list of non-retail outlets and facilities with the extract.

In yet another preferred embodiment, the extract is inter-related with reference datum that includes postal zip code information relating to the facilities. Advantageously, where a facility is known for a given non-retail outlet, the postal zip code for the facility is provided from the reference datum. The extract may be updated accordingly. Where a facility for a non-retail outlet is not known, a virtual facility for a be zip code in which the non-retail outlet sits is created and deliveries/sales to that outlet are associated with the virtual facility. The virtual facility may advantageously be used as a placeholder until an actual facility to outlet relationship is available for one or more non-retail outlets.

In yet another preferred embodiment, the extract is inter-related with reference datum that includes diagnosis-treatment information. This data set may provide a cross reference between a pharmaceutical and diagnosis, e.g., cancer. Further, other types of reference datum may be used to be inter-related with the extract.

BRIEF DESCRIPTION OF THE DRAWINGS

25

For a complete understanding of the present invention and the advantages thereof, reference is now made to the following description taken in conjunction with the accompanying drawings in which like reference numbers indicate like features, components and method steps, and wherein: 5

FIG. 1 is an illustration of the basic process flow of prescription drugs in the pharmaceutical industry,

FIG. 2 is an illustration of the hierarchy of non-retail sales organizations in the pharmaceutical industry;

FIG. 3 is a system diagram in accordance a preferred embodiment of the present invention;

FIG. 4 is a flow diagram of the technique of augmenting the pharmaceutical delivery information in accordance with a preferred embodiment of the present invention; and

FIG. 5 is an example of pharmaceutical delivery information and the interrelation with reference datum in accordance with a preferred embodiment of the present invention.

DESCRIPTION OF AN EXEMPLARY EMBODIMENT

FIG. 1 illustrates the basic process flow of drugs in the pharmaceutical industry. A pharmaceutical industry manufacturer 102 or warehouse 104 (also referred to herein as "distributor") supplies pharmaceuticals directly to a plurality of outlets 106. Outlets 106 may be retail outlets 108 or non-retail outlets 110. Pharmaceuticals from a manufacturer 102 or warehouse 104 may be delivered to retail outlets 108, such as the commonly known "drug store", which are subsequently dispensed to patients in accordance with prescriptions 112 written by individual physicians, as illustrated in lines 120, 122. Pharmaceuticals from a manufacturer 102 or warehouse 104 may also be delivered to non-retail outlets 110, where non-retail outlets, as defined above may include hospitals, departments with hospital, medical clinics, individual physician offices, etc., as illustrated in lines 124, 126, for filling prescriptions prescribed and filled therein.

Referring to FIG. 2, a series of non-retail outlets 202, 203, 204 are associated with a facility 210 or other ancillary unit 212, 214, 216. A facility 210, or ancillary unit 212, 214, 216, is a logical grouping of non-retail outlets 202, 203, 204 for purposes of statistical analysis. For example, a facility could be New York University ("NYU") Medical Center, where non-retail outlets include NYU's Oncology Department, NYU's Maternity Department,

and NYU's Pediatric Department. Such a grouping provides for easy analysis of large medical groups/settings.

A facility 210, or ancillary unit 212, 214, 216 may be affiliated with an integrated delivery network ("IDN") 208. An IDN 208, in turn, may be affiliated with a pharmaceutical group purchasing organization ("GPO") 206. Any of the above organizations may order and/or purchase pharmaceuticals from a manufacturer 102 or distributors 104 for non-retail outlets 202, 203, 204, including the non-retail outlets 202, 203, 204 themselves.

The manufacturers 102 and distributors 104 provide the reporting data regarding the pharmaceuticals delivered to non-retail outlets 202, 203, 204. This data may arrive in a variety of manners and depth. Thus, there is no consistency in this reporting. Some reports simply state the drugs delivered, to a non-retail outlet, quantity, and the non-retail outlet's zip code.

The system and method of the present invention "fills the gaps" in the data set provided by the manufacturers 102 and distributors 104, as well as provides a more detailed data picture by inter-relating the data received relating to the deliveries to the non-retail outlets 202, 203, 204 with multiple other reference datum types.

Further, referring to non-retail outlet 203, a non-retail outlet 203 may contain a plurality of sub-outlets 220, 222, 224. This is most common where one physical address, e.g., a medical center building, contains multiple doctor offices or other clinics. The sub-outlets 220, 222, 224 provide for differentiation between these entities physically at the same address.

Referring to FIG. 3, an exemplary embodiment of the present invention will be described below. In the exemplary embodiment, an extraction unit 302 receives pharmaceutical delivery information, also described herein as the extract as indicated above, from manufacturers 102 and distributors 104. The extract data, which at a minimum may only contain a code for an outlet, delivered pharmaceutical, and quantity, receives reference datum from one or more reference data units 304, 306, 308, 320. Reference data units may include an outlet-facility unit 304, zip code unit 306, facility-affiliated physician unit 320, diagnosis-treatment unit 308, or other reference data unit which cross reference at least one type of data in the extract. Further, after the inter-relation of one or more reference datum, described below, the system and method of the present invention preferably displays aspects

20

25

of the augmented extract to users via clients 312, 314, 316 which are served such data from server unit 310, described below.

Referring to FIG. 4, in operation the extraction unit 302 first receives the extract (input data) from the manufacturers 102 and distributors 104 in step 402. Then in step 406 the extraction unit 302 receives reference datum from the outlet-facility unit 304 that pertains to the relationships between outlets and facilities. For example, outlets "001", "002", "002", "003", and "004", respectively referring to NYU's Oncology Department, NYU's Maternity Department, NYU's Pediatric Department, and Dr. John Doe Office, all are related the NYU Medical Center ("NYCMC") facility. Thus, the outlet-facility unit 304 provides the matrix of relationships across outlets and facilities. In this way, a subsequent query of the NYU Medical Center facility may be accurately performed.

Referring to FIG. 5, which contains an example of a data record in the extract, in accordance with an exemplary embodiment, the extract is augment by the extraction unit 302 inter-relating like data types to populate unknown data types in the extract. In the example, the "facility" data is void because the extract does not contain facility information. Thus, the extraction unit 302 looks up the outlet reference number, "002", in the reference datum, which reveals that outlet "002" is affiliated or part of the NYU Medical Center Facility. The extraction unit 302 then attempts to provide a zip code for the NYU Medical Center facility. So the extraction unit 302 then preferably requests data from other reference data units. In this example, in step 408 the extraction unit 302 requests postal zip code data from zip code unit 306 to populate the facility zip code field. Further, in a preferred embodiment, if a non-retail outlet in the outlet-facility database does not have a facility associated with it, but a known valid zip code for the outlet is in the data record, a virtual facility is created and all sales data relating to such outlet(s) is related to the virtual facility. A virtual facility, or the sales data related thereto, may be augmented with actual facility data at a later point in time. Here, since the outlet "002" relates to the NYUMC facility, such problem has not been encountered. The data record in the extract is modified accordingly.

In a preferred embodiment of the present invention, this type of cross relational matching is performed to modify the extract to populate the maximum amount of data fields. Further, the extraction unit 302 may be adapted to include the ability to interpolate, also called predictive modeling, sales to sub-outlets 220, 222, 224 based upon prior mapping relations. For example, if in 99 out of 100 instances penicillin delivered to

WO 2004/053763 °CT/US2002/039248

outlet 203 was actually delivered to sub-outlet 220, and the outlet delivery data for the 100th order of penicillin delivered to outlet 203 lacks sub-outlet delivery information, the system can assume the 100th instance was delivered to sub-outlet 220.

After extraction unit 302 inter-relates the reference data from the outletfacility unit 304 and zip code unit 306, in step 410 the present system and method interrelates the augmented extract with facility-affiliated physician data via the facility-affiliated physician unit 320. In this step the extraction unit 302 uses the same type of inter-relation as described above by populating a "physician" field in the extract by keying in on the facility.

Thereafter, in step 412 the present system and method preferably inter-relates the augmented extract with diagnosis-treatment data via the diagnosis-treatment unit 308. The diagnosis-treatment unit 308 is a reference data unit that may contain an accurate list of diagnosis and pharmaceuticals used to treat said diagnosis. In this way, a pharmaceutical prescribed can be inter-related with one or more diagnosis. This inter-relationship is important because it can help a manufacturer determine which facilities and/or outlets to target for advertisement of a particular drug based upon the most common medical use. Thus, the drugs are keyed on in the extract and populated with diagnosis data where available.

Based upon the reference data received and the data already in the extract data record, the extract may be augmented after the reception of one type of reference datum or may need to wait until the reception of multiple types of reference datum. In this way, augmenting the extract in step 414 may be performed multiple times and at varied times.

After the extract is augmented by all available reference datum, the extract is ready to be queried. With so many query options and data from multiple manufacturers and distributors, efficiency as well as security concerns are apparent. To counter balance the efficiency concerns, queries are written into the system, as requested by manufacturers, in a pre-defined manner. Thus, the present system and method may execute a pre-defined query at off-peak usage hours, e.g., overnight, and the results of said predefined queries can be pregenerated such that the presentation of the reporting data to clients may be facilitated in an efficient manner. Since the extract data is at best updated weekly, stale data will not result. In terms of security, the extraction unit 302 preferably only allows a client, where one or more clients are affiliated with a unique manufacturer, to view the results of queries

PCT/IIS2002/039248 WO 2004/053763

requested by that client's affiliated manufacturer. In a preferred embodiment, the queries requested by a manufacturer are constrained by specific confidential rules. Such confidentially rules may include that (1) a manufacturer may not formulate a query of data related to the specific sales of a particular pharmaceutical produced by a competitive manufacturer; (2) a manufacturer may formulate a query to see the trend of a particular pharmaceutical produced by a competitive manufacturer, where a trend is simply one of a "up," "down" or "no activity" indicator, illustrating if a particular pharmaceutical from a competitive manufacturer has exceed a predefined fixed percentage threshold set by the querying manufacturer; and/or (3) a manufacturer may be permitted to formulate a query relating to the specific sales of a particular pharmaceutical if such query requests a grouping of sales data of three or more competitive manufacturers in a form where individual manufacturer data cannot be parsed. Preferably, a manufacturer may also be permitted to formulate a query of sales data related to a particular pharmaceutical for a competitive manufacturer only if such particular pharmaceutical is queried at a territory level, where a territory includes multiple zip codes, and where such territory include a minimum predefined 15 number of non-retail outlets in such territory. This is simply the first level of security. In addition to this level of security, the clients preferably have unique login information to properly identify and authenticate the end users. Clients 312, 314, 316 are served with the reporting data via server 310 (also see step 416 of FIG. 4).

Extraction unit 302, outlet-facility unit 304, zip code unit 306, facilityaffiliated physician unit 320, diagnosis-treatment unit 308, and server unit 310 communicate and pass data over data bus 322. Data bus 322 also comprises a database for the caching of data, when needed as between the above aforementioned units.

20

25

The above system and method may be implemented by many computer languages commonly known in the art and may operate on many computer platforms which include both volatile and non-volatile memory storage devices. In a preferred embodiment, the system and method of the present invention is implemented, in whole or in part, in a multi-tiered architecture consisting of a mainframe computer and distributed network servers, including Unix and windows web servers. Software code encapsulating the functionality of the present inventive technique may be implemented on such computer systems, preferably 30 written in COBOL, SAS, JCL, C, C++, Kom/Unix Shell, ASP, and/or Visual Basic. Preferably data and the results of the data queries are stored in one or more relational

WO 2004/053763 °CT/US2002/039248

databases, which provide resultant data to a graphical user interface ("GUI"), where the GUI features a presentation layer included therein. Further, the system and method of the present invention, as described above, may alternatively be implemented on transportable media, preferably a CD-ROM.

Although the invention has been described herein by reference to an exemplary embodiment thereof, it will be understood that such embodiment is susceptible of modification and variation without departing from the inventive concepts disclosed. All such modifications and variations, therefore, are intended to be encompassed within the spirit and scope of the appended claims.

5

CLAIMS

5

- A system for inter-relating pharmaceutical delivery information from a manufacturer or distributor of pharmaceuticals with one or more reference datum, comprising:
- an input for receiving said pharmaceutical delivery information;
 a reference data unit storing said one or more reference datum, said reference
 datum sharing at least one cross relational property to said pharmaceutical delivery
- an extraction unit, coupled to said input and receiving pharmaceutical delivery information therefrom, and coupled to said reference data unit and receiving said one or more reference datum therefrom, for augmenting said pharmaceutical delivery information in order to provide pharmaceutical delivery information with inter-related reference datum.
- 2. The system of claim 1, wherein said reference data unit comprises an outletfacility unit for providing relationship information between an outlet and a facility, said

 extraction unit receiving said relationship information and augmenting said pharmaceutical
 delivery information to include said relationship information with said facility.
 - 3. The system of claim 2, wherein said extraction unit uses interpolation to augment said pharmaceutical delivery information based upon said relationship information of prior purchases of pharmaceuticals contained in said pharmaceutical delivery information, said pharmaceuticals being delivered to sub-outlets.
 - The system of claim 2, wherein said reference data unit comprises a zip code unit providing postal zip code pertaining to said facility.
 - The system of claim 2, wherein said reference data unit comprises a zip code
 unit providing a virtual facility for a zip code for one or more outlets in said zip code which
 are not related to an actual facility.
 - 6. The system of claim 2, wherein said reference data unit comprises a facility-affiliated physician unit providing physician information between facilities and physicians practicing in said facilities, said extraction unit receiving said physician information and augmenting said pharmaceutical delivery information to include said physician information.
- 7. The system of claim 1, wherein said reference data unit comprises a diagnosistreatment unit providing a cross reference between pharmaceuticals and medical diagnosis,

WO 2004/053763 PCT/US2002/039248

said extraction unit receiving said cross reference and augmenting said pharmaceutical delivery information to include said cross reference information.

- The system of claim 7, wherein said data from said diagnosis-prescription unit is retrieved from an external database.
- The system of claim 1 further comprising a server unit, said server unit providing reports to clients, said reports generated from pre-defined queries.

5

15

20

- The system of claim 1, wherein said extract data is received weekly.
- 11. The system of claim 1, wherein said extract data is received monthly.
- 12. A method for inter-relating pharmaceutical delivery information from a
 manufacturer or distributor of pharmaceuticals with one or more reference datum,
 comprising:

receiving an input comprising pharmaceutical delivery information;
receiving one or more reference datum, said reference datum sharing at least
one cross relational property to a data type in said pharmaceutical delivery information; and
augmenting said pharmaceutical delivery information by inter-relating said
data type in said pharmaceutical delivery information with said one or more reference datum
in order to provide pharmaceutical delivery information with inter-related reference datum.

- 13. The method of claim 12, wherein said step of receiving said one or more reference datum comprises receiving data pertaining to a relationship between an outlet and a facility.
 - 14. The method of claim 13, wherein said step of receiving said one or more reference datum comprises receiving zip code data pertaining to said facility.
 - The method of claim 14, wherein said zip code is an actual postal zip code.
- 16. The method of claim 13, wherein said step of receiving said one or more reference datum comprises receiving a virtual facility to relate to an outlet, said virtual facility being associated with an actual zip code.
 - 17. The method of claim 12, wherein said step of receiving said one or more reference datum comprises receiving data pertaining to a relationship between facilities and physicians.

WO 2004/053763 PCT/US2002/039248

18. The method of claim 12, wherein said step of receiving said one or more reference datum comprises receiving diagnosis-treatment data, said diagnosis-treatment data comprising the inter-relationship between a pharmaceutical and at least one diagnosis.

- The method of claim 18, wherein said diagnosis-treatment data is retrieved from an external database.
- The method of claim 12 further comprising transmitting reports generated from queries of said pharmaceutical delivery information to clients.
 - 21. The method of claim 12, wherein said extract data is received weekly.
 - 22. The method of claim 12, wherein said extract data is received monthly.

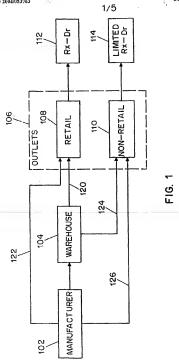
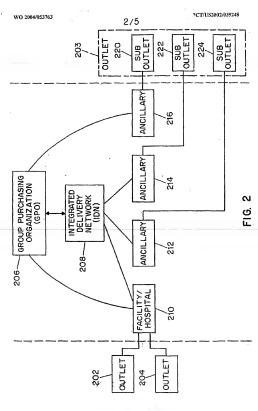


Exhibit 1



SUBSTITUTE SHFFT (RIII F 96)

Exhibit 1

SUBSTITUTE SHEET (RUI F 96)-

320

306

308

Exhibit 1

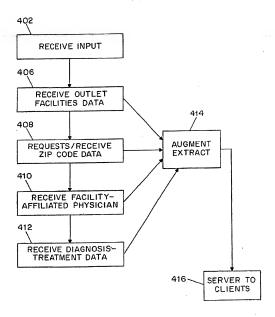


FIG. 4

SUBSTITUTE SHEET (RULE 26)

FACILITY NYUMC

OUTLET

NYUMC

004

NYUMC NYUMC

002 003 00

SUBSTITUTE SHEET (RULE 26)

FACILITY

*200 OUTLET

302~

Exhibit 1

INTERNATIO: SEARCH REPORT

Interner application N

		INTERNATION.	SEARCH REFOR	•	PCT/Us02/39248	
US (Lecore L, dinim	(7) CL ding to FIEL sum do .S.: 7		fication (IPC) or to both as	oy classificatio	n symbols)	d in the fields creatched
dectr	onic da	on searched other than mini ta base consulted during the tents; Pubs; Derwent				
	DOC	UMENTS CONSIDERED	TO BE RELEVANT			
Catog		Citation of document	with indication, where app	propriate, of d	se relevant passages	Relevant to claim No.
A A		[003]-[0013], [0018][002; US 6,249,774 B1 (RODE 59; col. 3, line 9-col. 4, I US 20002/0065683 A1 (P	ODER et al.) 15 August 2 -[10036], N, et al.) 15 June 2001(15, 10 August 20, et al.) 25 June 2001(15, 10 August 20, et al.) 20 May 2002 13 June 2003(11, et al.) 20 May 2002 1444, [0148], [0150], [0169	.06.2001), Fig 6, line 2; col. (30.05.2002)], [0031]-[003	s. 1-3; col. 2, lines 11- 7, line 56-col. 8, line Figs. 1-3, Abstract,	1-22 1-22 1-22
П	Purthe	r documents are listed in th	e continuation of Box C.		patent family annex.	
·e·	documents of parties earlier a document establish specified	special categories of chest documents i defining the general state of the an other relevance split categories of puests published on or it which may throw doubts on priori the published on deal of accuber categories of accuber categories of accuber categories at referring to an oral disaborace, on	which is not considered to be after the international filing date by claim(s) or which is cited to lone or other special reason (as	.A. 600 .X. 600 .X. 600	e and not in conflict with the app- nciple or theory underlying the in- terment of particular reterance; di- sisfered povel or control be consi- ted to the constant is called tone comment of particular relevance; di- positional or constant in leventies or	to chalmed investion control be desert to involve an inventive stop to chained investion control be top when the document is ach documents, such combination
.p.	documen	it published prior to the international		*A* do	cument member of the same pare	nt family
		actual completion of the in	ernational search	Date of mail	ing of the international	arch report

1) March 2003 (11.03.2003)
Name and malling address of the ISA/US
Commission of Factor and Tradements
Bar FC*
Workstepen, D.C. 20131
Facsimili No. (703)305-3230
Form PCT/ISA/210 (second sheet) (July 1998)

Richard Chilcot Children Telephone No. (703) 308-1113

TENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 35477-PCT	FOR FURTHER ACTION	(Form PC below.	cation of Transmittal of International Scarch Report T/ISA/220) as well as, where applicable, item 5
International application No. PCT/US02/39248	International filing date (day/mor 06 December 2002 (06.12.2002)	th/year)	(Barliest) Priority Date (day/month/year)
Applicant IMS HEALTH INCORPORATED			
This international search report has be applicant according to Article 18. A	een prepared by this International S copy is being transmitted to the Int	earching a	Authority and is transmitted to the Bureau.
This international search report consis			
It is also accompan	ied by a copy of each prior art doc	ıment cite	d in this report.
 Basis of the Report With regard to the language language in which it was fit 	e, the international search was carrie ed, unless otherwise indicated under	d out on th this item.	s basis of the international application in the
Authority (Rule 23.1(b)). b. With regard to any nucleof			ne international application furnished to this the international application, the international
	and application in written form.		
filed together with the int	emational application in computer re	adable for	m.
furnished subsequently to	this Authority in written form.		
furnished subsequently to	this Authority in computer readable	form.	
	sequently furnished written sequence as filed has been furnished.	listing do	es not go beyond the disclosure in the
the statement that the info been furnished.	rmation recorded in computer reads	ble form is	s identical to the written sequence listing bas
Certain claims were fou	nd unsearchable (See Box I).		
Unity of invention is lac	king (See Box II).		
 With regard to the title, 			
the text is approved as su			
the text has been establish	sed by this Authority to read as fello	ws:	
5. With regard to the abstract,			
the text is approved as su	bmitted by the applicant.		
			ity as it appears in Box III. The applicant irch report, submit comments to this
5. The figure of the drawings to be	published with the abstract is Figure	No. 4	_
as suggested by the appli	cant.		None of the figures
because the applicant fail	ed to suggest a figure.		
because this figure better	characterizes the invention.		
rm PCT/(SA/210 (first sheet) (July 19	98)		

INTERNATIO SEARCH REPORT

Interne : 11 application No.
PCT/----012/39248

D. THE WINDS OF THE ADOTT AC	r (Continuation of Item	n 5 of the first sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

A system and melhod of inter-relating multiple data types to provide a comprehensive data output reflecting non-retail sales of pharmacoutical is disclosed. In particular, the pystem and method of the present invention provides for receiving, non-retail sales of pharmacoutical discloser to under from membraneurer of distributors, where the data is primarily incominent and features many voide (102, 104, 202-209). The present invention inter-relates one or more reference datas from other process (602-412) in a core relations memore to cause that voides of field in the particular content of the content

Form PCT/ISA/210 (continuation of first sheet(2)) (July 1998)

PCT NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION (PCT Patle 44.1); ate of Mailing. 2 9 MAY 2003 OR TURITHER ACTION See paragraphs 1 and 4 below ternational filling date (prinomic/patr) Of December 2002 (06.12.2002) out has been catalithed and in transmitted herewith. of the international application (see Rule 40): sully new months from the date of transmitted of the channel for Coloneteres 227 2014.1-35
THE INTERNATIONAL SEARCH REPORT OR THE DESCLARATION (PCT Role 44.1) List of Melling (PCT Role 44.1) List of Melling (PCT Role 44.1) AN PURITHER ACTION See paragraphs 1 and 4 below ternational filling des (pythonotichynam) of December 2000 (05.12.2002) out has been ostellished and is transmitted berowith. If the international application (see Role 46): sully two months from the dece of transmitted of the channels for Colondosters
use of Mailing 29 MAY 2003 DR FURTHER ACTION See paragraphs 1 and 4 below terminational filling date of the paragraphs 2002 (16.12.2002) ON December 2002 (16.12.2002) out has been catalitated and in transmitted herewith. If the international application (see Ride 40): ally own months from the date of transmitted of the change for colonomers of colonomers.
R FURTHER ACTION See paragraphs i and 4 below ternational filling dise syshmeth from 5 december 2002 (05.12.2002) On December 2002 (05.12.2002) out has been outsilished and is transmitted herewith. If the international application (see Rule 40): ally two months from the date of transmitted of the changing for solonesters
on the bean ordelished and is transmitted herewith. of the international application (see Refs 49): ally two months from the date of transmitted of the change for containing the contraction of the change for Containing the Contain
If the international application (see Rule 46): ally two months from the date of tracamittal of the chemin des Colombettes
If the international application (see Rule 46): ally two months from the date of tracamittal of the chemin des Colombettes
chemin des Colombettes 22) 740.14.35
panying theet.
out will be established and that the declaration under
fee(s) under Rule 40.2, the applicant is notified that:
assmitted to the Interestional Bureau together with the st and the decision thereon to the designated Offices.
t will be notified as soon as a decision is made.
opplication will be published by the International Bureau. If the wal of the international application, or of the priority claim, must 90 åts.3, respectively, before the completion of the technical
ome designated Offices, a demand for international preliminary y into the national phase until 36 months from the priority date 0 months from the priority date, perform the prescribed acts for
: Ister) will apply even if no demand is filed within 19 months. ble time limits, Office by Office, see the PCT Applicant's Guide,
Authorized officer Richard Chilcot

Allemas in Dakes *

PCT

. h '

NOTICE INFORMING THE APPLICANT OF THE COMMUNICATION OF THE INTERNATIONAL APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

Date of mailing (day/month/year) 24 June 2004 (24.06.2004)

	То:
	RAGUSA, Paul, A. Baker Botts LLP Foreign Debt.
	30 Rockefeller Plaza New York, NY 10112-4498 ETATS-UNIS D'AMÉRIQUE
l	, : ' , s
L	RECEIVED
	IMPORTANT NOTICE & BOTTS, L.L.P.

Applicant us seems tile reference
36477-PCT
International application No.
PCT/JIS2002/039248
International filing date (day/month/year)
06 December 2002 (06.12.2002)
TO

Applicant
IMS HEALTH INCORPORATED et al.

 Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this notice:

AU, AZ, BY, CH, CN, CO, DZ, EP, HU, JP, KG, KP, KR, MD, MK, MZ, RU, TM, US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present notice as conclusive evidence that the communication of the international application has day taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the application to the designated office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

AE, AG, AL, AM, AP, AT, BA, BB, BG, BR, BZ, CA, CR, CU, CZ, DE, DK, DM, EA, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, ID, IL, IN, IS, KE, KZ, LC, LK, LR, IS, LT, LU, LV, MA, MC, MN, NMV, MX, NO, NZ, CA, CM, PH, PL, PT, RO, SC, SD, SE, SG, KS, KL, TL, TI, TT, TT, ZU, AU, CU, CV, CV, NY, LY, 2A, ZM, ZVY

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bir)).

- Enclosed with this notice is a copy of the international application as published by the International Bureau on 24 June 2004 (24.06.2004) under No. WO 2004/053763
- 4. TIME LIMITS for filing a demand for international preliminary examination and for entry into the national phase

The applicable time limit for entering the national phase will, subject to what is said in the following paragraph, be 30 MONTIES from the priority date, not only in respect of any elected Office if a demand for intermedicated profitments or catanicates in Efficiency extensions in Politics experience of 19 montin from the priority date, but also in respect of my designated office, in the absence of filling of such demand, where experience of 19 montified wind effect from 1 April 2002 applies in respect of the designated Office. For firther details, see PCF Greates Article 22(1) as modified wind effect from 1 April 2002 applies in respect of the designated Office. For firther details, see PCF Greates to 100, advantage of the designated Office. Wherether 2001, pages 19953, 1992 and 1994, as well as the PCF Noveletter, October and November 2001 and

In practice, time limits other than the 30-month time limit will continue to apply, for various periods of time, in respect of certain designated or elected Offices. For regular updates on the applicable time limits (20, 21, 30 or 31 months, or other time limit), Office by Office, refer to the PCT General, the PCT Residence and the PCT Applicant's Guide, Volume II, National Chapters, all available from WPO's Internet is, a high-plower-wipo-high-production-factors.

For filing a demand for International preliminary examination, see the PCT Applicant's Guide, Volume I/A, Chapter IX. Only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international perhiminary examination (an present, all PCT Contenting States are bound by Chapter II).

It is the applicant's sole responsibility to monitor all these time limits

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Yoshiko Kuwahara
Pacsimile No.+41 22 740 14 35	Facsimile No.+41 22 338 90 90

Form PCT/IB/308 (April 2002)



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONES FOR PATENTS PO. Bez. 1450 Alexandra, Vigana 12313-1450 www.tspo.gsv

U.S. APPLICATION NUMBER NO. FIRST NAMED APPLICANT ATTY, DOCKET NO.

10/537,474 David Warren BADGER A35477 PCT USA (06

Paul A. Ragusa Baker Botts LLP 30 Rockefeller Plaza New York, NY 10112 David Warren BADGER A35477 PCT USA (065855.)
INTERNATIONAL APPLICATION NO.

PCT/US02/39248

La. FILING DATE PRIORITY DATE
12/06/2002

CONFIRMATION NO. 3259

ABANDONMENT/TERMINATION LETTER

OC00000032290139

Date Mailed: 09/26/2008

NOTIFICATION OF ABANDONMENT

The United States Patent and Trademark Office in its capacity as a Designated / Elected Office (37 CFR 1.495) has made the following determination:

 Applicant has failed to respond to the notification of MISSING REQUIREMENTS (Form PCT/DO/EO/905), mailed 01/22/2008 within the time period set therein.

Therefore, the above identified application failed to meet the requirements of 35 U.S.C. 371 and 37 CFR 1.495,and is ABANDONED AS TO THE UNITED STATES OF AMERICA.

DONNA S GREENE
Telephone: (703) 308-9140 EXT 222

In Re:	Badger et al.		10/537,474
In Re:	(Applicant) STATUS LETTER	10-11-2006	(Serial No.) 065855.0354 (A35477 PCT USA)
	(Title of Paper)	(Date)	(File No.)

The stamp of the Patent Office Mail Room hereon acknowledges the receipt of the above-identified papers on the date indicated by such stamp.

Enclosed: Status Letter, return postcard, return self-address envelope

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s)

Badger et al.

Serial No.

10/537,474

Examiner

Unassigned

Filed

June 3, 2006

Group Art Unit

Unassigned

For

A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE

DATA TYPES

STATUS LETTER

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1440 on:

October 11, 2006 Date of Deposit

Manu J. Tel Vani

37,952 PTO Reg. No.

Date of Signature

Commissioner for Patents P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

A periodic check of our dockets indicates that, to date, we have not received a Filing Receipt or Office Action for the above-referenced patent application, which was filed with the United States Patent and Trademark Office on June 3, 2005. The most recent communication from the Patent Office, which advised of the Information Disclosure Statement received on September 19, 2005.

A34106 (066031.0148) PATENT

Please indicate when an action on the merits can be expected by completing the lower portion of this letter and returning it to the applicants. A stamped, self-addressed envelope is enclosed for your convenience.

Respectfully submitted,

Manu J. Tejwani

Patent Office Reg. No. 37,952

Attorneys for Applicant(s)

(212) 408-2500

BAKER BOTTS LLP 30 Rockefeller Plaza New York, NY 10112

***********	*************
An action on the merits should be issued by _	
Official Action was sent on	

EXHIBIT 3

NY02:563442.1

Page 17 Company (1972)

White I True (1972)

White



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONER FOR PATENTS FO. Bot 149 Alexanders, Viggan 22313-1450 www.neppo.gev

U.S. AFFLICATION NUMBER NO. FIRST NAMED AFFLICANT ATTY. DOCKET NO.

10/537,474 David Warren BADGER A35477 PCT USA (06585.)

Paul A. Ragusa Baker Botts LLP 30 Rockefeller Plaza New York, NY 10112 INTERNATIONAL APPLICATION NO.
PCT/US02/39248

LA. FILING DATE PRIORITY DATE
12/06/2002

CONFIRMATION NO. 3259 371 FORMALITIES LETTER



Date Mailed: 01/22/2008

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- Copy of the International Application filed on 06/03/2005
- Copy of the International Search Report filed on 06/03/2005
- Information Disclosure Statements filed on 09/19/2005
- U.S. Basic National Fees filed on 06/03/2005

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Additional claim fees of \$100 as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.
- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$230 for a Large Entity:
• \$130 Surcharge.

Total additional claim fee(s) for this application is \$100

\$100 for 2 total claims over 20.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER, FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDOMMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

page 1 of 2

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

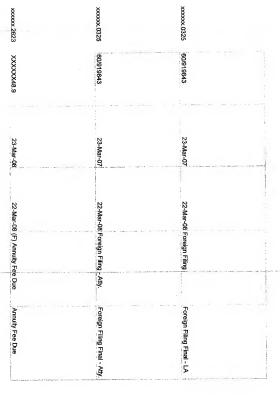
Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web. https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at http://www.uspto.gov/ebc.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

TERRY M JOHNSON VESSELS	
Telephone: (703) 308-9140 EXT 221	

Drawings 3rd Reminder
2nd Extension



xxxxxx.0504		XXXXXX. 0504	xxxxxx.0103
11/084504		11/084504	11,632461
22-Jan-08		22.Jan-08	22-04-07
22-Mar-08 US-Allowance		22-Mar-08 US ∧liovance	22-Mar-08 Filing Receipt Recid
Notice/Pub. Fee Reminder	and the American	Fee Due in 1 Month	Filing Receipt Rec'd

xxxxxx.2360

XXXX515

23-Mar-08

22-Mar-08 (F) Annuity Fee Due

Annuity Fee Due

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxx.0725 11/047876	XXXXXX44.1	xxxxx.3675 12/055545	xxxxx.0132 11/142939	xxxxx.2711 XXXXXXXXXX980	xxxxx.1674 10/764099	xxxxx.0310 11/779751	xxxxx.1121 XXXXX	
XXX378	*	4.1			XXX980	. 86	51	XXXXXXXXXX325	
08-Apr-08	22-Apr-08	22-Apr-08	22-Apr-08	22-Feb-08	22-Jul-08	22-Apr-08	22-Oct-07	22-Apr-08	
22-Apr-08 (F) Transmitted to Oterat	US-RCE (Req. Cont'd 22-Apr-08 Exam)	EP - Rule 112(1) 22-Apr-08 Communication	US-Assignment 22-Apr-08 Recorded A	US-3 Month Office 22-Apr-08 Action	22-Apr-08 (F) Official Action	22-Apr-08.US-Patent Issue Date	US-Req.Correct.Filing 22-Apr-08 Receipt	PCT Search Report 22-Apr-08 Follow-Up	ActionType
	RCE (Req. Cont'd Exam)	Notice - Loss of Rights Issued	Assignment Recorded A	1 Month to Due Date	Official Action Issued	Patent Issue Date	Follow Up Re Filing Receipt	PCT Search Report Follow Up	ActionDue

Invite to Furnish Seq Lis	22-Apr-08 PCT Form ISA/225	08-Apr-08	xxxxx.0630 XXX/XXXX/XX677	xxxxxx.0630
Official Action Issued	22-Apr-08 (F) Official Action	22-Apr-08	XXXXXXXXX003	xxxxxx.2529
Prior Art Disclosure Rev	22-Apr-08 (F) Prior Art Disclosure Prior Art Disclosure Rev	19-Mar-07	XXX629	xxxxx.6451
Patent Issued?	US-Request for Status 22-Apr-08 Due	22-Apr-08	11/702342	xxxxxx.1391
Assignment 4th Remind	US-2 Month Missing 22-Apr-08 Parts	22-Oct-07	11/865209	xxxxx.2115
Issue Notification	22-Apr-08 US-Issue Notification	22-Apr-08	10/764099	xxxxx.1674 10/764099
Filing Fees 4th Reminde	US-2 Month Missing 22-Apr-08 Parts	22-Oct-07	11/865209	xxxxx.2115
Application Filed	22-Apr-08 US-Application Filed	22-Apr-08	12/032220	xxxxx.0270
Draft Response to Clien	US-3 Month Office 22-Apr-08 Action	22-Feb-08	11/068144	xxxxx.0106 :11/068144
Assoc. Confirm Filing Response	(F) Official Action - 2 22-Apr-08 months	31-Mar-08	XXXX-XXXX992	xxxxxx.1656

IDS Filed	22-Apr-08 US-IDS Filed	22-Apr-08	11/539464	xxxxxx.0112
3 Month Due Date	US-3 Month Office 22-Apr-08 Action	22-Jan-08	11/539464	xxxxx.0112
2 Month Amendment Du- Date	22-Apr-08 US-Final Office Action	22-Feb-08	10/225391	xxxxx.0708
Official Action Issued	22-Apr-08 (F) Official Action	25-Jun-08	XX-XXXXXXXX239	xxxxx.2387
IDS Filed	22-Apr-08 US-IDS Filed	22-Apr-08	11/183028	xxxxx.0711
EARS Next Annuity Due	22-Apr-08 EARS Annuity Due	23-Apr-08	XXXXXXXXXX95.	xxxxx.0214
Received Form PCT/IB/306	PCT Change Under 22-Apr-08 Rule 92bis	22-Jan-08	XXXX/XX352	xxxxx.0102
Supplementary Search Issued	EP-Supplementary 22-Apr-08 Search Report	22-Apr-08	XXXXXX49.7	xxxxx.3043
Letter to Client Due	22-Apr-08 (F) Annuity Fee Due	09-Apr-08	XXXXXXX330	xxxxx.0112
Transmittal to Client	ISR/Written Opinion 22-Apr-08 Received	15-Apr-08	XXX/XXXX/XXX60	xxxxx.3407

ЕХНІВІТ 6

xxxxx 1938 11/042906	24-Jul-07	22-Apr-08 US-Allowance	Issue Fee Follow Up
xxxxx 0144 10/729603	22-Oct-07	US-3 Month Office 22-Apr-08 Action	6 Month Final
xxxxxx.1815 1 12/017521	22-Jan-08	22-Apr-08 Assignment	Assignment
xxxxx.1815 1 12/017521	22-Jan-08	Declaration/power of 22-Apr-08 attorney	Declaration/power of attorney
xxxxx.1815 1 12/017521	22-Jan-08	22-Apr-08 Formal Drawings Due	Formal Drawings Due
xxxxxx.0215 10/516675	22-Oct-07	22-Apr-08 US-Final Office Action	6 Month Final Date
xxxxxx.1666 :11/876301	22-Oct-07	22-Apr-08 Foreign Filing	6 Mo. Foreign Filing Reminder
xxxxx.1829 1:12/017582	22-Jan-08	22-Apr-08 Assignment	Assignment
xxxxx.1829 1.12/017582	22-Jan-08;	Declaration/power of 22-Apr-08 attorney	Declaration/power of attorney
xxxxxx.1829 1·12/017582	22-Jan-08	22-Apr-08 Formal Drawings Due	Formal Drawings Due
xxxxx.2562 XXXXXXXXXX382	08-Apr-08	22-Apr-08 (F) Transmittal to Client Review Correspondence	Review Correspondence

Pay Grant/Issue Fees	22-Apr-08 (F) Grant/Issue Fees	06-May-08	XXXXXXX729	00000.2886
Review Correspondence	(F) Official Action - 4 22-Apr-08 months	23-Nov-07	XXXXXX673	ooxoox.1312
Notice/Publ. Fee Due	22-Apr-08 US-Allowance	22-Jan-08	10/699305	ooxxx.1519
Issue Fee Due	22-Apr-08 US-Allowance	22-Jan-08	10/699305	xxxxx.1519
Priority Claim on Spec.	22-Apr-08 Priority Claim on Spec. Priority Claim on Spec.	22-Jan-08	12/017707	xxxxx.3151
Information Disclosure Stmnt	Information Disclosure 22-Apr-08 Stmnt	22-Jan-08	12/017707	xxxxx.3151
Formal Drawings Due	22-Apr-08: Formal Drawings Due	22-Jan-08	12/017707	xxxxx.3151
3 Month Notice of Appea	22-Apr-08 US-Final Office Action	22-Jan-08	11/108190	xxxxx.0220
Review Correspondence	(F) Official Action - 6 22-Apr-08 months	30-Oct-07	XXXX330	xxxxx.1730
Form ISA/202	22-Apr-08 Form ISA/202	22-Jan-08	XXXX/XX614	xxxxxx,1749
Form IB/301	22-Apr-08 Form IB/301	22-Jan-08	XXXX/XX614	xxxxxx.1749
	10 may no 10	The same and the same at		

Response/Amendment Due	(F) Official Action - 4 22-Apr-08 months	22-Jan-08	xxxxxx.1833 XXXXXXX189
Comments/Allowance	US- 22-Apr-08 Comments/Allowance	22-Apr-08	xxxxx.1518 11/051701
Transmittal to Agent	Maint/Annuity not paid 22-Apr-08 by BB	15-Aug-07	xxxxx 1000 XXXXXX856
Response to US Counse	22-Apr-08 (F) Official Action	14-Dec-07	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
File Application	22-Apr-08 (F) New Application	06-May-08	xxxxx.3770 XXXX/X351
Transmittal to Client	EP-Supplementary 22-Apr-08 Search Report	28-Mar-08	χοοφαχ.8334 XXXXXX23.6
Transmittal to Client	22-Apr-08 EP-National Validation	02-Jan-08	xxxxxx.1308 F XXXXXX79.6
Patent Issue Date 1st Reminder	22-Apr-08 US-Patent Issue Date	29-Apr-08	xxxxxx.1589 09/913745
Filing Receipt Received	22-Apr-08 (F) New Application	22-Oct-07	xxxxxxxxxx447
3 Month Due Date	US-3 Month Office 22-Apr-08 Action	22-Jan-08	xxxxx.1459 11/031179

Power of Attorney filed	US-Power of Attorney 22-Apr-08 filed	22-Apr-08	11/747002	xxxxx.1397 11/747002
1 Month to Due Date	US-3 Month Office 22-Apr-08 Action	22-Feb-08	11/089743	xxxxx.1474
Notice/Publ. Fee Due	22-Apr-08 US-Allowance	22-Jan-08	11/051701	xxxxxx.1518 11/051701
Issue Fee Due	22-Apr-08 US-Allowance	22-Jan-08	11/051701	xxxxx.1518
Letter to Client Due	22-Apr-08 US-IDS Due	09-May-08	12/015696	xxxxx.1469
Notice/Pub. Fee Remina	22-Apr-08 US-Allowance	22-Feb-08	10/937938	xxxxxx.0103 10/937938
Fee Due in 1 Month	22-Apr-08 US-Allowance	22-Feb-08	10/937938	xxxxxx.0103 10/937938
Letter to Client Due	22-Apr-08 US-Supp. IDS Filed	14-Apr-08	11/062963	xxxxxx.0568
Response/Amendment	(F) Official Action - 4 22-Apr-08 months	22-Jan-08	XXXXXX46.4	xxxxxx.8996
1 Month to Due Date	US-3 Month Office 22-Apr-08 Action	22-Feb-08	10/399243	xxxxx 0163 10/399243

xxxxxx.0124 060100817 15-Apr-08 22-Apr-08 Abandoned Transi	08-2 Month Missing Oath/fi xxxxxx.2115 11/865208 22-Ogl-07 22-Apr-08 Parts Remin	xxxxxx.1609 1.12/018036 22-Jan-08 22-Apr-08 Strnnt Strnnt	xxxxxx.1609.1.12/018036 22-Jan-08 22-Apr-08 Formal Drawings Due Forma	xxxxxx.1387 11/747002 22-Apr-08 22-Apr-08 Filed Termin	xxxxxx0215	000000 1354 XXXXXXXXXXXX454 23-Apr-08 (F) Official Action Ext FI	xxxxxx.1361 11/150139 23-Nov-07 22-Apr-08 US-Election/Restriction 4th Extension
Transmittal to Agent	lissing Oath/Declaration 4th Reminder		ngs Due Formal Drawings Due	Disclaimer Terminal Disclaimer Filed	Due EARS Next Annuity Due	:Response/Amendment - ton Ext Filed	estriction 4th Extension

•	Letter to Client Due	22-Apr-08 Action	14-Jan-08	11/062963	xxxxx.0568 11/062963
XXXXXXX95-1 23-Apr-08 22-Apr-08 EARS Annulry Due XXXXX957 23-Apr-08 22-Apr-08 EARS Annulry Due XXXXXX044 23-Apr-08 22-Apr-08 EARS Annulry Due XXXXXX2233 23-Apr-08 22-Apr-08 EARS Annulry Due XXXXXX52/2 23-Apr-08 22-Apr-08 US-IDS Filed 11/555080 22-Apr-08 22-Apr-08 EARS Annulry Due XXXXXX43.9 23-Apr-08 22-Apr-08 EARS Annulry Due XXXXXX43.9 23-Apr-08 22-Apr-08 EARS Annulry Due XXXXXX43.9 23-Apr-08 22-Apr-08 EARS Annulry Due XXXXXXA3.9 23-Apr-08 22-Apr-08 EARS Annulry Due XXXXXXA3.9 23-Apr-08 22-Apr-08 EARS Annulry Due		US-3 Month Office			
XXXXXXX85-1 23-Apr-08 22-Apr-08 EARS Annulty Due XXXXX957 23-Apr-08 22-Apr-08 EARS Annulty Due XXXXXX044 23-Apr-08 22-Apr-08 EARS Annulty Due XXXXXX2233 23-Apr-08 22-Apr-08 EARS Annulty Due XXXXXXX5272 23-Apr-08 22-Apr-08 (F) Annulty Fee Due 11/655090 22-Apr-08 22-Apr-08 US-IDS Filed XXXXXX43.9 23-Apr-08 22-Apr-08 EARS Annulty Due	Draft Response to Client	US-3 Month Office 22-Apr-08 Action	22-Feb-08	11/056524	
XXXXXXX85-1 23-Apr-08 22-Apr-08 EARS Annuity Due XXXXX957 23-Apr-08 22-Apr-08 EARS Annuity Due XXXXXX044 23-Apr-08 22-Apr-08 EARS Annuity Due XXXXXX233 23-Apr-08 22-Apr-08 EARS Annuity Due XXXXXXX2233 23-Apr-08 22-Apr-08 (F) Annuity Fee Due 11/555080 22-Apr-08 22-Apr-08 US-IDS Filed XXXXX102 23-Apr-08 22-Apr-08 EARS Annuity Due	EARS Next Annuity Due	22-Apr-08 EARS Annuity Due	23-Apr-08	XXXXXX43.9	xxxxxx.1552
XXXXXXX85-1 23-Apr-08 22-Apr-08 EARS Annulty Due XXXXX957 23-Apr-08 22-Apr-08 EARS Annulty Due XXXXXX044 23-Apr-08 22-Apr-08 EARS Annulty Due XXXXXXX233 23-Apr-08 22-Apr-08 EARS Annulty Due XXXXXXX522 23-Apr-08 22-Apr-08 (F) Annulty Fee Due XXXXXXX5522 23-Apr-08 22-Apr-08 US-IDS Filed	EARS Next Annuity Due	22-Apr-08 EARS Annuity Due	23-Apr-08	XXXX102	
XXXXXX85-1 23-Apr-08 22-Apr-08 EARS Annulty Due XXXXX957 23-Apr-08 22-Apr-08 EARS Annulty Due XXXXXX044 23-Apr-08 22-Apr-08 EARS Annulty Due XXXXXXX233 23-Apr-08 22-Apr-08 EARS Annulty Due XXXXXXX233 23-Apr-08 22-Apr-08 EARS Annulty Due XXXXXXX233 23-Apr-08 22-Apr-08 EARS Annulty Fee Due	IDS Filed	22-Apr-08 US-IDS Filed	22-Apr-08	11/555090	
XXXXXXX95-1 23-Apr-08 22-Apr-08 EARS Annulty Due XXXXX957 23-Apr-08 22-Apr-08 EARS Annulty Due XXXXXXX044 23-Apr-08 22-Apr-08 EARS Annulty Due XXXXXXXX233 23-Apr-08 22-Apr-08 EARS Annulty Due	Renewal Fee Due	22-Apr-08 (F) Annuity Fee Due	23-Apr-08	XXXXXXX52/2	xxxxx.0223
XXXXXXX95-1 23-Apr-08 22-Apr-08 EARS Annulty Due XXXXX957 23-Apr-08 22-Apr-08 EARS Annulty Due XXXXXX044 23-Apr-08 22-Apr-08 EARS Annulty Due	EARS Next Annuity Due	22-Apr-08 EARS Annuity Due	23-Apr-08	XXXXXX233	xxxxx 1553
XXXXXX95-1 23-Apr-08 22-Apr-08 EARS Annuity Due XXXXX957 23-Apr-08 22-Apr-08 EARS Annuity Due	EARS Next Annuity Due	22-Apr-08 EARS Annuity Due	23-Apr-08	XXXX/X044	xxxxxx.1556
XXXXXXX95-1 23-Apr-08 22-Apr-08 EARS Annuity Due	EARS Next Annuity Due	22-Apr-08 EARS Annuity Due	23-Apr-08	XXXX957	xxxxx.0213
	EARS Next Annuity Due	22-Apr-08 EARS Annuity Due	23-Apr-08	XXXXXX95-1	

xxxxx.1379 11/489320	xxxxx.1424 11/862329	xxxxxx.0949 12/027427	xxxxx.7177 10/849318	xxxxxx.0555 XXXXXXX60.9	xxxxxx.0201 09/580516	xxxxx.1629 1.12/017916	xxxxx.3055 11/349711	xxxxx.2689 11/042922
22-Feb-08	04-Mar-08	22-Feb-08	22-Feb-08	22-Apr-08	22-Apr-08	22-Jan-08	22-Feb-08	22-Feb-08
22-Apr-08 US-Final Office Action	US-2 Month Office 22-Apr-08 Action	US-2 Mo Correct 22-Apr-08 Appln. Papers	22-Apr-08 US-Final Office Action	Maint/Annuity not paid 22-Apr-08 by BB	US-Letters Patent/Soft 22-Apr-08/Copies	22-Apr-08 Formal Drawings Due	22-Apr-08 US-Allowance	22-Apr-08-US-Final Office Action
2 Month Amendment Due Date	Letter to Client Due	Corrected Papers Due	2 Month Amendment Due Date	Maint/Annuity not paid by BB	Letters Patent/Soft Copies	Formal Drawings Due	Notice/Pub. Fee Reminder	2 Month Amendment Due Date

xxxxxx.7888 XXX650 17-Jan-07 22-Apr-08 (F) Prior Art Disclosure -Pi xxxxxx.3483 XXXXXXXXXXXX888 22-Dec-06 22-Apr-08 Form IBJ304 F-	11/677872 22-Apr-08	xxxxxx.1387 11/747002 22-Apr-08 22-Apr-08 US-Dath/Declaration 0	xxxxxxx.0230 11/276839 22-Apr-08 22-Apr-08 US-Supp. IDS Due St	11/536681 22-Feb-08 22-Apr-08 US-Final Office Action	P: xxxxxxx.0242 10/595268 29-Apr-08 22-Apr-08 US-Patent issue Date Ru	xxxxxx.2674 12/105038 22-Apr-08 22-Apr-08 US-Bar Date Bs	10/763800 22-Apr-08 22-Apr-08 US-Supp. IDS Filed	10/760443 22-Apr-08 22-Apr-08 US-Supp. IDS Filed	xxxxxx.0168 10/595153 22-Feb-08 22-Apr-08 Action 11	
22-Apr-08 (F) Phor Art Disclosure : Phor Art Disclosure Review. 22-Apr-08 Form IB/304 Form IB/304	S Filed IDS Filed	DS Filed DS Filed atth/Declaration Oath/Declaration	upp. IDS Due Supp. IDS Filed	2 Month Amendment Due inal Office Action Date	Patent Issue Date 1st atent Issue Date Reminder	ar Date Bar Date to File Appln.		upp. IDS Filed Supp. IDS Filed	Month Office 1 Month to Due Date	

			- 101	
			US-3 Month Office	
XXXXX 1567	10/279180	22-Apr-08	22-Apr-08 Action 22-Apr-08 Tax11.5	Rejection Mailed Tax11.5
xxxxx.0454	08/478961	22-Apr-08	22-Apr-08 Tax11.5	Tax11.5
xxxx.0361	XXXXXXXX11-5	23-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due
xxxx.0406	60/939519	22-May-07	22-Apr-08 Foreign Filing	Foreign Filing Due - LA
xxxxx.0103	11/569413	03-Oct-07	US-2 Month Missing 22-Apr-08 Parts	Assignment Filed Follow Up
xxxxx.6990	XXXXXX58.4	03-Apr-08	EP-Supplementary 22-Apr-08 Search Report	Transmittal to Client
00000.2488	XXXXXXX396	23-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due
00000000000000000000000000000000000000	11/117959	19-Mar-08	22-Apr-08 US-Election/Restriction Letter to Client Due	Letter to Client Due
ooox.0123	XXXXX22.4	22-Nov-07	(F) Official Action - 4 22-Apr-08 months	Response/Amendment Due

ххххох.0234	XXXXXX191	22-Jun-07	Chai 22-Apr-08 PCT Demand Not Filed Due	Chapter II Nat/Reg Filing Due
xxxxxx.3519 xxxxxx.0464 xxxxxx.0101 xxxxxx.0633	12/018347 08/273329 08/302228 08/163031	22-Apr-08 22-Apr-08 22-Apr-08 22-Apr-08 22-Apr-08	US-Preliminary 22-Apr-08 Amendment 22-Apr-08 Tax11.5 22-Apr-08 Tax11.5 22-Apr-08 Tax11.5	Preliminary Amendment Text15 Text1.5 Text1.5
xxxxx.0823	11/133554	13-Dec-07	US-3 Month Office 22-Apr-08 Action	Letter to Client Due
xxxxx.0572	10/929285	23-Jan-08	US-3 Month Office 22-Apr-08 Action	Letter to Client Due
xxxxx.0126 10/446377	10/446377	14-Dec-07	US-3 Month Office 22-Apr-08: Action	Letter to Client Due
xxxxxx.0715 11/125732	11/125732	13-Mar-08	22-Apr-08 US-Election/Restriction Letter to Client Due	Letter to Client Due
xxxxx.3769	XXXX/X350	06-May-08	22-Apr-08 (F) New Application	File Application
xxxxx 0159 1 11/323899	11/323899	22-Apr-08	US-Request for Status 22-Apr-08 Due	Request for Status Due

EXHIBIT 6

Annuity Fee Due	22-Apr-08 (F) Annuity Fee Due	23-Apr-08	XXXXXX40.5	xxxxx.2561
Dec. of Entitlement Filed	(F) Declaration of 22-Apr-08 Entitlement	23-Apr-08	XXXX388	xxxxxx.0492
File Power of Attorney	22-Apr-08 (F) Power of Attorney	22-Apr-08		xxxxxx.0469
Information Disclosure Strnnt	22-Apr-08 US-IDS Due	22-Apr-08	11/383336	xxxxx.0153
RCE (Req. Contd Exam	US-RCE (Req. Contd 22-Apr-08 Exam)	22-Apr-08	11/202341	xxxxx.1795
1 Month to Due Date	US-3 Month Office 22-Apr-08 Action	22-Feb-08	11/136187	xxxxxx.1604
Oath/Declaration Remin	US-2 Month Missing 22-Apr-08 Parts	22-Jan-08	11/958186	xxxxxx.0739 11/958186
Drawings Reminder	US-2 Month Missing 22-Apr-08 Parts	22-Jan-08	11/958186	xxxxx.0739
Annuity Fee Due	22-Apr-08 (F) Annuity Fee Due	23-Apr-08	XXXXXXXZ33	xxxxx.1553

	xxxxx.0109 11/311594	xxxxx.1314 10/932229	xxxxxx.1314	xxxxxx.1666	xxxxx.0248	xxxxx.0311	xxxxx.1044 10/333114	xxxxxx.1044	xxxxx 2701 10/931160
	11/311594	10/932229	10/932229	11/876301	29/228715	10/892021	10/333114	10/333114	10/931160
	22-Jan-08	22-Oct-07	22-Oct-07	22-Oct-07	14-Aug-07	22-Oct-07	22-Apr-08	22-Apr-08	22-Feb-08
TYLIBIT D	22-Apr-08 US-Final Office Action 13 Month Notice of Appeal	US-3 Month Office 22-Apr-08 Action	US-3 Month Office 22-Apr-08 Action	22-Apr-08 Assignment	22-Apr-08 US-Allowance	:US-3 Month Office 22-Apr-08: Action	22-Apr-08 US-Pre-Appeal Brief	US-Notice of Appeal 22-Apr-08 Filed	US-3 Month Office 22-Apr-08 Action
	3 Month Notice of Appeal	Formal Drawings Final	6 Month Final	Assignment Follow Up Date	Issue Fee Follow Up	6 Month Final	Pre-Appeal Brief Req. Review	Notice of Appeal Filed	1 Month to Due Date

File Application Final	22-Apr-08 (F) New Application	23-Apr-08	xxxxxx.3884 XXXX265
Pre-Appeal Brief Req. Review	22-Apr-08 US-Pre-Appeal Brief	22-Apr-08	xxxxx.6654 1.10/890316
Comments/Allowance	22-Apr-08 US-Allowability	22-Jan-08	xxxxxx.1417 10/890568
Associate Confirmed Validation	22-Apr-08 EP-National Validation	23-Jan-08	χχχχχ. 1529 Γ ΧΧΧΧΧΧΧ47.3
National Validation Completed	22-Apr-08 EP-National Validation	23-Jan-08	xxxxxx 1529 F XXXXXX47.3
Associate Confirmed Validation	22-Apr-08 EP-National Validation	23-Jan-08	xxxxx 1529 E XXXXXX47.3
National Validation Completed	22-Apr-08 EP-National Validation	23-Jan-08	χαχας. 1529 Γ ΧΧΧΧΧΧΧ47.3
Letter to Client Due	US-RCE (Req. Cont'd 22-Apr-08 Exam)	14-Apr-08	xxxxxx.0555 10/864061
PCT Forms RO/102 & RO/105	PCT RO/102 & RO/105 · PCT Forms RO/102 & 22-Apr-08-Follow-Up RO/105	22-Apr-08	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

oxxxx.1722	XXXXXX40.4	20-Mar-08	22-Apr-08 EP - Rule 71(1) EPC	Date of Oral Proceedings
ooxox.3713	12/105002	22-Apr-08	US-Assignment 22-Apr-08 Recorded A	Assignment Recorded A
0000x.3761	XXXX387	22-Apr-08	22-Apr-08 (F) New Application	Assoc. Confirmed Instructions
00000.7794	XXX616	17-Mar-07	22-Apr-08 (F) Prior Art Disclosure Prior Art Disclosure Review	Prior Art Disclosure Review
oxxxx.7116	XXX623	27-Jun-08	22-Apr-08 (F) Prior Art Disclosure Prior Art Disclosure Review	Prior Art Disclosure Review
xxxxx.6846	XXX614	07-Feb-07	22-Apr-08 (F) Prior Art Disclosure Prior Art Disclosure Review	Prior Art Disclosure Review
oxx.0105	xxxxxx.0105 09/550960	22-Apr-08	US-Letters Patent/Soft 22-Apr-08 Copies	Letters Patent/Soft Copies
xxxxx.0124	XXXX/XX938	22-Dec-06	22-Apr-08 Form IB/304	Form IB/304
xxx.0124	xxxxx.0124 XXXX/XX938	22-Dec-06	22-Apr-08 PCT Declaration(s)	PCT Declaration(s)

Assignment Filed Follow					
Reminder Sent to Ciletin	US-2 Month Missing 22-Apr-08 Parts	11-Oct-07		11/571493	xxxxx.0104
	US-2 Month Missing 22-Apr-08 Parts	26-Oct-07		11/868372	xxxxx.0127
e Information Disclosure Strnnt	Information Disclosure 22-Apr-08 Strnnt	22-Jan-08		12/018184	xxxxx.0923 12/018184
Formal Drawings Due	22-Apr-08 Formal Drawings Due	22-Jan-08		12/018184	xxxxx.0923
Declaration/power of attorney	Declaration/power of 22-Apr-08 attorney	22-Jan-08		12/018184	xxxxxx.0923
Assignment	22-Apr-08 Assignment	22-Jan-08		12/018184	xxxxxx.0923 12/018184
Assignment Follow Up Date	22-Apr-08 Assignment	22-Oct-07		111/876546	xxxxx.0202 1 11/876546
Information Disclosure Strunt	Information Disclosure 22-Apr-08 Stmnt	22-Jan-08	144	12/017943	xxxxx.2494 12/017943
Formal Drawings Due	22-Apr-08 Formal Drawings Due	22-Jan-08		12/017943	xxxxx.2494
Priority Document	22-Apr-08 Priority Document	22-Dec-06		XXXX/XX938	xxxxxx.0124

oxxxx.0837 11/860375	11/860375	24-Sep-07	22-Apr-08 Filing Receipt Rec'd	Filing Receipt Follow Up Date
xxxxx.0123	11/469033	22-Jan-08	US-3 Month Office 22-Apr-08 Action	3 Month Due Date
xxxxx.0123	11/469033	22-Jan-08	US-3 Month Office 22-Apr-08 Action	Formal Drawings Due
xxxxx.1417	10/890568	22-Jan-08	22-Apr-08 US-Allowance	Issue Fee Due
xxxxx.1417	10/890568	22-Jan-08	22-Apr-08 US-Allowance	Notice/Publ. Fee Due
xxxxx.1529	xxxxxx.1529 XXXXXXX47.3	23-Jan-08	22-Apr-08 EP-National Validation	National Validation Completed
xxxxx. 1529	хххххх. 1529 Г XXXXXX47 3	23-Jan-08-	22-Apr-08 EP-National Validation	Associate Confirmed Validation
xxxxxx.0120	60/981765	22-Oct-07	22-Apr-08 6 Mo. Reminders	6 mo. Foreign Filing Reminder
xxxxx.0120	60/981765	22-Oct-07	22-Apr-08 6 Mo. Reminders	6 mo. U.S. Filing Remin

1 Month to Due Date	US-3 Month Office 22-Apr-08 Action	22-Feb-08	10/611660	xxxxx.2784
Rejection Mailed	US-3 Month Office 22-Apr-08 Action	22-Apr-08	10/571502	xxxxx.1012
Prior Art Disclosure Re	22-Apr-08 (F) Prior Art Disclosure	06-Aug-07	XXX628	xxxxx.7823
Priority Document	22-Apr-08 Priority Document	22-Dec-06	XXXX/XX948	xxxxxx.0172 XXXX/XX948
PCT Declaration(s)	22-Apr-08 PCT Declaration(s)	22-Dec-06	XXXX/XX948	xxxxx.0172 XXXX/XX948
Form IB/304	22-Apr-08 Form IB/304	22-Dec-06	XXXX/XX948	xxxxx.0172
Annuity Fee Due	22-Apr-08 (F) Annuity Fee Due	23-Apr-08	XXXXXX79.7	xxxxxx.0194
IDS Filed	22-Apr-08 US-IDS Filed	22-Apr-08	11/534818	xxxxxx.1153 11/534818
National Validation Completed	22-Apr-08 EP-National Validation	23-Jan-08	XXXXXX47.3	xxxxx.1529 E XXXXXX47.3
Associate Confirmed Validation	22-Apr-08 EP-National Validation	23-Jan-08	XXXXXX47.3	xxxxx.1529 F XXXXXX47.3
	al fed a law			

xxxxx.1238 12/018005	xxxxxx.1238 12/018005	xxxxx 0205 XXXX/XX389	xxxxx 0175 11/469216	xxxx 1777 11/046277	xxxxx 1629 1 12/017916	xxxxx.1235 .12/018021	xxxxx.1235 12/018021	xxxxx.1519 10/699305	xxxxx.1834 1 12/107531	xxxxxx 0201 10/502991
22-Jan-08	22-Jan-08	23-Apr-08	22-Apr-08	22-Apr-08	22-Jan-08	22-Jan-08	22-Jan-08	22-Jan-08	22-Apr-08	22-Apr-08
Information Disclosure 22-Apr-08 Strnnt	22-Apr-08 Formal Drawings Due	22-Apr-08 (F) Annuity Fee Due	22-Apr-08 US-IDS Filed	US-3 Month Office 22-Apr-08 Action	Information Disclosure 22-Apr-08 Strnnt	Information Disclosure 22-Apr-08 Stmnt	22-Apr-08 Formal Drawings Due	22-Apr-08 US-Allowability	22-Apr-08 US-Application Filed	US-3 Month Office 22-Apr-08 Action
Information Disclosure Stmnt	Formal Drawings Due	Annuity Fee Due	IDS Filed	Rejection Mailed	Information Disclosure Stmnt	Information Disclosure Strant	Formal Drawings Due	Comments/Allowance	Letter to Client Due	Rejection Mailed

22-Apr-08 27-Dec-07
22-Apr-08
22-Jan-08
22-Jan-08
22-Jan-08
22-Apr-08
22-Apr-08
22-Apr-08
22-Jan-08
22-Jan-08

Letters Patent/Soft Copies	US-Letters Patent/Soft 22-Apr-08 Copies	22-Apr-08	xxxxxx.0334 10/448169
Filing Receipt Follow Up Date	22-Apr-08 Filing Receipt Rec'd	01-Oct-07	xxxxxx.2115 11/865209
Assignment Filed	22-Apr-08 US-Assignment Filed	22-Apr-08	xxxxx.1212 12/106778
3 Month Notice of Appeal	22-Apr-08 US-Final Office Action 3 Month Notice of Appeal	22-Jan-08	xxxxx.0725 11/047876
Letter to Client Due	22-Apr-08 US-Final Office Action Letter to Client Due	13-Feb-08	xxxxx.0980 11/263729
IDS Filed	22-Apr-08 US-IDS Filed	22-Apr-08	xxxxxx.1424 11/862329
IDS Filed	22-Apr-08 US-IDS Filed	22-Apr-08	xxxxx.1423 11/862307
Fee Due in 1 Month	22-Apr-08 US-Allowance	22-Feb-08	xxxxxx.3055 11/349711
Assignment Recorded A	US-Assignment 22-Apr-08 Recorded A	22-Apr-08	xxxxxx.1834 1 12/107531
RCE (Req. Cont'd Exam)	US-RCE (Req. Contd 22-Apr-08 Exam)	22-Apr-08	xxxxxx.0105 10/777820
Notice of Allowance	22-Apr-08 US-Allowance	22-Apr-08	xxxxx.0224 11/373259

Chapter II Nat/Reg Filing Chapter II Nat/Reg Filing Rem. Chapter II Nat/Reg Filing Chapter II Nat/Reg Filing Rem. Chapter II Nat/Reg Filing Rem. Chapter II Nat/Reg Filing Rem. Review Foreign Art (3 22-Jan-08 22-Apr-08 US-Review Foreign Art months) Review Foreign Art (3 22-Jan-08 US-Review Foreign Art months) Review Foreign Art (3 22-Jan-08 US-Review Foreign Art months) Review Foreign Art (3 22-Jan-08 US-Review Foreign Art months) Review Foreign Art (3 22-Jan-08 US-Review Foreign Art months) Review Foreign Art (3 22-Jan-08 US-Review Foreign Art months) Review Foreign Art (3 22-Jan-08 US-Apr-08 US-Review Foreign Art months) Review Foreign Art (3 22-Jan-08 US-Apr-08 US-Apr-08 US-Apr-08 US-Apr-08 US-Apr-08 US-Apr-08 US-Apr-08 US-Apr-08 US-Apr-08 US-Allowance Notice of Allowability Sexxxx 1369 11/217142 22-Apr-08 22-Apr-08 US-Allowability Due EARS Next Annulty Due US-RES Next	EARS Next Annuity Due	22-Apr-08 EARS Annuity Due	23-Apr-08	XXXXXXX52/2	000000.0223
Chapter II Nat/Reg 22-Apr-08 22-Apr-08 Filing 22-Jan-08 22-Apr-08 US-Review Foreign Art US-3 Month Office 07-Nov-07 22-Apr-08 Action US-RCE (Req. Con'td 22-Dec-06 22-Apr-08 Exam) 22-Apr-08 22-Apr-08 US-Allowance 22-Apr-08 22-Apr-08 US-Allowance	EARS Next Annuity	22-Apr-08 EARS Annuity Due	23-Apr-08	XXX866	0000XX.0222
Chapter II Nat/Reg 22-Feb-06 22-Apr-08 Filing 22-Jan-08 22-Apr-08 US-Review Foreign Art US-3 Month Office 07-Nov-07 22-Apr-08 Action US-RCE (Req. Contrd 22-Dec-06 22-Apr-08 Exam) 22-Apr-08 22-Apr-08 US-Allowance	Notice of Allowabili	22-Apr-08 US-Allowability	22-Apr-08	11/217142	xxxxx.1513
Chapter II Net/Reg XXXXXXXXXXXXXX49 22-Feb-06 22-Apr-08 Filing 11/633421 22-Jan-08 22-Apr-08 US-Review Foreign Art US-3 Month Office 10/680515 07-Nov-07 22-Apr-08 Action US-RCE (Req. Cont'd 11/235096 22-Apr-08 Exam) XXXXXXXXXXXXXXXXXX483 22-Apr-08 22-Apr-08 (F) Notice of Allowance	Notice of Allowance	22-Apr-08 US-Allowance	22-Apr-08	11/217142	xxxx.1513
Chapter II Net/Reg XXXXXXXXXXXXXX49 22-Feb-06 22-Apr-08 Filing 11/533421 22-Jan-08 22-Apr-08 US-Review Foreign Art US-33421 22-Jan-07 22-Apr-08 Action US-RCE (Req. Confd US-RCE (Req. Confd 11/235096 22-Dec-06 22-Apr-08 Exam)	Case Allowed	22-Apr-08 (F) Notice of Allowance	22-Apr-08	XXXXXXXXXXX483	xxxx.0109
Chapter II Nat/Reg XXXXXXXXXXX49 22-Feb-06 22-Apr-08 Filing 11/633421 22-Jan-08 22-Apr-08 US-Review Foreign Art US-3 Month Office 10/860515 07-Nov-07 22-Apr-08 Action	Appin Status Check Term Ext	US-RCE (Req. Cont'd 22-Apr-08 Exam)	22-Dec-06	11/235096	xxxx.1369
Chapter II Nat/Reg XXXXXXXXXXXXX49 22-Feb-06 22-Apr-08 Filing 11/533421 22-Jan-08 22-Apr-08 US-Review Foreign Art	2 Weeks to Final D	US-3 Month Office 22-Apr-08 Action	07-Nov-07	10/860515	xxxx.0202
XXXXXXXXXXXA9 22-Feb-06 22-Apr-08 Filing	Review Foreign Art months)	22-Apr-08 US-Review Foreign Art	22-Jan-08	11/533421	xxxx.1752
	Chapter II Nat/Reg Rem.	Chapter II Nat/Reg 22-Apr-08 Filing	22-Feb-06	XXX/XXXX/XXX49	xxxx.0930

ŏ

Assignment Recorded A	US-Assignment 22-Apr-08 Recorded A	22-Apr-08	12/104781	xxxxxx.3663
Assignment Recorded A	US-Assignment 22-Apr-08 Recorded A	22-Apr-08	12/062263	xxxxx.3555
EARS Next Annuity Due	22-Apr-08 EARS Annuity Due	23-Apr-08	XXXXXXX15-2	xxxxx.0202
EARS Next Annuity Due	22-Apr-08 EARS Annuity Due	23-Apr-08	XXX988	xxxxx.0201
EARS Next Annuity Due	22-Apr-08 EARS Annuity Due	23-Apr-08	XXXXXX79.7	xxxxx.0194
EARS Next Annuity Due	22-Apr-08 EARS Annuity Due	23-Apr-08	XXXX142	xxxxx.0192
EARS Next Annuity Due	22-Apr-08 EARS Annuity Due	23-Apr-08	XXXXXXX92-7	cxxxx.0191
EARS Next Annuity Due	22-Apr-08 EARS Annuity Due	23-Apr-08	XXXX/XX390	0000x.0226

xxxx.0114	11/130884	22-Apr-08	-US-1 Mo. Office 22-Apr-08 Action/No Ext	1 Month Action Mailed
oooox.0205	XXXX/XX389	23-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due
0xxxx.0464	08/273329	22-Apr-08	22-Apr-08 EARS Annuity Due	EARS Next Annuity Due
cxxxx.1649 1:12/100909	12/100909	22-Apr-08	US-2 Month Missing 22-Apr-08: Parts	2 Month Missing Parts
0329	11/428987	20-Jul-07	22-Apr-08 US-Allowance	Issue Fee Follow Up
xxxxxx.0492	08/847417 08/302228	22-May-08 22-Oct-96	Maintenance/Annuity 22-Apr-08 Reminder 22-Apr-08 Tax 11.5	Maintenance/Annuity (Rem. 2) Tax 11.5
xxxxx.1846 11/114675	11/114675	22-Apr-08	22-Apr-08 US-Issue Notification	ssue Notification
xxxxxx.1986	11/676860	22-Mar-07	US-2 Month Missing 22-Apr-08 Parts	Assignment Filed Follow Up
xxxxxx.2494	12/017943	22-Jan-08	22-Apr-08 Assignment	Assignment
xxxxxx.0105	09/550960	22-Apr-08	22-Apr-08 US-Verify Con/Div Filed 'Verify Con/Div Filed	d 'Verify Con/Div Filed

many and the same of the same

EXHIBIT 6

Correct Inventor(s) Address	EP-Rule 17(3) 22-Apr-08 Communication	22-Nov-07	xxxxxx.0142 XXXXXX33.5	XXXXXX
Official Action Issue	22-Apr-08 (F) Official Action	22-Oct-08	.2646 XXXX-XXX062	xxxxx.2646
Drawings 4th Remir	US-2 Month Missing 22-Apr-08:Parts	22-Oct-07	xxxxx.2115 11/865209	хоооох.
Letter to Client Due	22-Apr-08 US-Issue Notification	08-Apr-08	xxxxx.1637 10/876428	XXXXX
Supp. IDS Filed	22-Apr-08 US-Supp. IDS Filed	22-Apr-08	xxxxx.1406 :11/985154	хосоос.
Rejection Mailed	US-3 Month Office 22-Apr-08: Action	22-Apr-08	2719 11/435347	xxxxx.2719
IDS Filed	22-Apr-08 US-IDS Filed	22-Apr-08	1397 11/747002	xxxxx.1397
Annuity Fee Due	22-Apr-08 (F) Annuity Fee Due	23-Apr-08	0215 XXXXXXX81.3	xxxxxx.0215
Annuity Fee Due	22-Apr-08 (F) Annuity Fee Due	23-Apr-08	xxxxx.0213 XXXX957	XXXXXX
1 Month to Due Date	US-3 Month Office 22-Apr-08 Action	22-Feb-08	xxxxx 0719 10/266819	XXXXXX
Renewal Fee Due	22-Apr-08 (F) Annuity Fee Due	23-Apr-08	0202 XXXXXXX15-2	xxxxxx.0202

xxxxxx.2198	xxxxxx.1963 11/315847	xxxxx.2488	xxxxxx.0427 11/677981	xxxxx.0385	xxxxxx.0385	xxxxxx.0406 1	xxxxx 0139 1 11/251137	xxxxx.0124
xxxxx.2198 XXXXXX367	11/315847	XXXXXXXX396	11/677981	XXXXXXXXXXXXXXX	XXX/XXXX/XXXX01	60/939519 08/410325	11/251137	XX/XXX040
22-May-08	22-Feb-08	23-Apr-08	22-Feb-07	23-Jan-08	23-Jan-08	22-May-07 22-Oct-96	22-Apr-08	22-Apr-08
PCT IB/326 (IPRP) 22-May-08:Follow-Up	US-3 Month Office 22-Apr-08 Action	22-Apr-08 (F) Annuity Fee Due	Appin Status Check (122-Apr-08 Mo.)	ISR/Written Opinion 22-Apr-08; Received	ISR/Written Opinion 22-Apr-08. Received	22-Apr-08 Foreign Filing - Atty. 22-Apr-08 Tax 11.5	22-Apr-08 US-Final Office Action	22-Apr-08 US-Application Filed
Prelim Report on Patentability	1 Month to Due Date	Annuity Fee Due	Appin Status Check (14 Appin Status Check (14 Mo.)	Demand for Examination Final	Argument/Art. 34 Amend Final	Foreign Filing Due - Atty Tax 11.5	Final Rejection	Application Filed

xxxx.0140	XXX/XXXXXXXX56	22-Dec-05	Chapter II Nat/Reg 22-May-08 Filing	Chapter II Nat/Reg Filing
xxxx.0105	XXXXX970	22Jul-05	(F) Request 22-May-08 Examination - 3 YR	Request for Exam (Rem 3)
xxxxx.0108	XXXXXX29-2	22-Jul-05	(F) Request 22-May-08 Examination - 3 YR	Request for Exam (Rem 3)
0000X.0112	XXXXXXXXZ24	22-Jul-05	(F) Request 22-May-08 Examination - 3 YR	Request for Exam (Rem 3)
occox.0449	XXX/XXXXXXXXXXX	24-Mar-08	22-May-08 PCT Form RO/107	File Drawings Final
xxxxx.1103	XXXXXXXA59	22-May-08	PCT Form IB/311 22-May-08 Follow-up	PCT Form IB/311 Follow- up
xxxxx.0217	XXXXXX13.3	23-May-08	22-May-08 EP - Rule 71(1) EPC	File Response/Amendment
xxxxx.0708		22-May-08	US-RCE (Req. Cont'd 22-May-08 Exam)	RCE (Req. Cont'd Exam)

O HIGHER DAG DOGG	ZZ-Way-oo Action	72-1-60-00	11/066144	XXXXXX.U1U6
3 Month Dire Date	US-3 Month Office	33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
Information Dis Follow U Date	Information Disclosure 22-May-08 Stmnt	22-Nov-06	11/562750	xxxxxx.0113
Transmittal to Client/Not Sent	22-May-08 (F) Notice of Allowance	14-Apr-08	XXXX038	xxxxxx.0135
Proceed with EP App. Du	22-May-08 EP - Rule 70(2) - 2 Mo. Proceed with EP App. Do	22-Apr-08	XXXXXX49.7	xxxxxx.3043
Notice of Publication Rec	.US-Notice of 22-May-08 Publication	22-May-08	11/562750	xxxxx.0113
Notice/Publ. Fee Due	22-May-08 US-Allowance	22-Feb-08	11/748771	xxxxx.1649 11/748771
Issue Fee Due	22-May-08 US-Allowance	22-Feb-08	11/748771	xxxxx.1649
Check IDS Refs.	US-3 Month Office 22-May-08, Action	22-Feb-08	11/757618	xxxxx.1339
3 Month Due Date	US-3 Month Office 22-May-08 Action	22-Feb-08	11/757618	xxxxxx.1339
Letter to Client Due	US-Request for Status 22-May-08 Due	13-May-09	11/550093	xxxxxx.0101

xxxxxxx.1815 1 12/017521 22-Jan-08 22-May-08 Priority Claim on Spec. Priority Claim on Spec. Priority Claim on Spec. US-4 Mo Response Statu xxxxxxxx.2150 10/269694 24-Sep-07 22-May-08 Action US-3 Month Office US-4 Mo Response Statu xxxxxxxx.0210 10/269694 23-May-05 22-May-08 Priority Claim on Spec. Priority Claim on Spec. xxxxxxxx.0210 10/269695 22-Jan-08 22-May-08 Priority Claim on Spec. Priority Claim on Spec. xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Priority Claim	22-May-08 Priority Claim on Spec. Priority Claim on Spec.	22-Jan-08	12/017707	xxxxxx.3151 12/017707
22_Jan-08 22_May-08 Priority Claim on Spec. US-3 Month Office 24_Sep-07 22_May-08 Action 23_May-05 22_May-08 Statement of Working 22_Jan-08 22_May-08 Priority Claim on Spec. US-3 Month Office 22_Jan-07 22_May-08 Action US-3 Month Office US-3 Month Office US-3 Month Office 15_Feb-08 22_May-08 Action US-3 Month Office 22_Jan-07 22_May-08 From IB/304 22_Jan-07 22_May-08 Priority Document		Information Disclosure 22-May-08 Strint	25-Jul-06	29/263524	xxxxx.0666
22_Jan-08 22_May-08 Priority Claim on Spec. US-3 Month Office 24_Sep-07 22_May-08 Action 23_May-05 22_May-08 Statement of Working 22_Jan-08 22_May-08 Priority Claim on Spec. US-3 Month Office US-3 Month Office US-3 Month Office US-3 Month Office 25_Sep-07 22_May-08 Action US-3 Month Office 25_Sep-07 22_May-08 Action US-3 Month Office 25_Sep-07 22_May-08 Action	Priori	22-May-08 Priority Document	22-Jan-07	XXXX/XX614	xxxxx.1749
22_Jan-08 22_May-08 Priority Claim on Spec. 24-Sep-07 22_May-08 Action 23-May-05 22_May-08 Statement of Working 22_Jan-08 22_May-08 Priority Claim on Spec. 22_Jan-08 22_May-08 Action 25_Sep-07 22_May-08 Action US-3 Month Office 25_Sep-07 22_May-08 Action US-3 Month Office	Form IB/304	22-May-08 Form IB/304	22-Jan-07	XXXX/XX614	xxxxx 1749
22_Jan-08 22_May-08 Priority Claim on Spec. US-3 Month Office 24-Sep-07 22_May-08 Action 23-May-05 22_May-08 Statement of Working 22_Jan-08 22_May-08 Priority Claim on Spec. US-3 Month Office 25-Sep-07 22_May-08 Action	Letter to Client Due	US-3 Month Office 22-May-08 Action	15-Feb-08	11/499446	xxxxxx.1132
22-Jan-08 22-May-08 Priority Claim on Spec. US-3 Month Office 24-Sep-07 22-May-08 Action 23-May-05 22-May-08 Statement of Working 22-Jan-08 22-May-08 Priority Claim on Spec.	US-4 Mo. Response Statu Check	US-3 Month Office 22-May-08 Action	25-Sep-07	10/928985	xxxxx.0210
22-Jan-08 22-May-08 Priority Claim on Spec. US-3 Month Office 24-Sep-07 22-May-08 Action 23-May-05 22-May-08 Statement of Working	Priority	22-May-08 Priority Claim on Spec.	22-Jan-08	12/017582	xxxxx.1829 1
22-Jan-08 22-May-08 Priority Claim on Spec. 24-Sep-07 22-May-08 Action	Working Due Final	22-May-08 Statement of Working	23-May-05	XXX259	xxxxxx.0963
22-Jan-08. 22-May-08 Priority Claim on Spec.	US-4 Mo. Response Status Check	US-3 Month Office 22-May-08 Action	24-Sep-07	10/269694	
	Priority Claim on Spec.	22-May-08 Priority Claim on Spec.	22-Jan-08	12/017521	xxxxx.1815 1

		14 1974		
xxxxx.3632	12/040144	22-May-08	US-Assignment 22-May-08 Recorded A	Assignment Recorded A
xxxxx.1334	XXXX004	23-May-08	22-May-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxx.0142	XXXXXX33.5	22-Nov-07	EP-Rule 17(3) 22-May-08: Communication	Correct Inventor(s) Address
	09/212105	25-May-04	22-May-08 IMPORTANT	past due, 3.5 MF
xxxxxx.0115 10/122759	10/122759	22-Nov-06	22-May-08 US-IDS Filed	Information Dis Follow Up Date
xxxxxx.0138	XXX/XXXX/XXX55	22-Dec-05	Chapter II Nat/Reg 22-May-08 Filing	Chapter II Nat/Reg Filing
	XXX/XXXX/XXX55	22-Dec-05	Chapter II Nat/Reg 22-May-08 Filing	Chapter II Nat/Reg Filing
xxxxxx.0597	11/046043	22-May-08	22-May-08 US-Examiner's Answer Examiner's Answer	Examiner's Answer
xxxxx.2483	11/755253	22-May-08	US-Decision/No Foreign 22-May-08 Filing	Decision/No Foreign Filing
xxxxxx.0102	09/564941	25-May-04	22-May-08 IMPORTANT	past due, 3.5 MF
xxxxx.0140	XXX/XXXX/XXX55	22-Dec-05	Chapter II Nat/Reg 22-May-08 Filing	Chapter II Nat/Reg Filing

Application Filed	22-May-08 US-Application Filed	22-May-08	12/109432	xxxxxx.0695 12/109432
Formal Drawings Due	US-3 Month Office 22-May-08 Action	22-Feb-08	11/199139	xxxxxx.1364
Non-Compliant Appea Brief r'd	US-Notice/Non- 22-May-08 Compliant Appeal	22-May-08	10/444693	xxxxx.0195
Status Review of File	22-May-08 (F) Status Check	22-May-07	XXXXX186	xxxxx.0237
past due, 3.5 MF	22-May-08 IMPORTANT	25-May-04	09/423409	xxxxx.1145
U.S. Filing Due	22-May-08 U.S. Filing Due	22-Jun-07	60/945726	xxxxxx.3366
Foreign Filing Due - Al	22-May-08 Foreign Filing - Atty.	22-Jun-07	60/945726	xxxxxx.3366 60/945726
Foreign Filing Due - L	22-May-08 Foreign Filing	22-Jun-07	60/945726	xxxxxx.3366
3 Month Due Date	US-3 Month Office 22-May-08 Action	22-Feb-08	11/153978	xxxxx.0977 1 11/153978
Extension of Time File	US-Extension of Time 22-May-08 Filed	22-May-08	11/381687	xxxxx.1428

xxxxx 1609 1 12/018036	xxxxxx.0107 11//	xxxxx.0503 XX	xxxxxx.1352 .11/100479	xxxxxx.0103 10/9	xxxxxx.0103 10/9	xxxxxx.0102 11/3	xxxxx.0390 XXX	xxxxx.0163 10/399243	xxxxx.2784 10/611660
018036	11/050190	XXX/XXXX/XXX76	100479	10/937938	10/937938	11/313873	XXXXXX61.1	99243	11660
22-Jan-08	23-Aug-07	08-May-08	07-Dec-07	22-Feb-08	22-Feb-08	22-May-08	23-Jan-08	22-Feb-08	22-Feb-08
22-May-08 Priority Claim on Spec. Priority Claim on Spec	US-3 Month Office 22-May-08 Action	22-May-08 PCT Form RO/106	22-May-08. US-Final Office Action	22-May-08.US-Allowance	22-May-08 US-Allowance	US-Proofread Issued 22-May-08 Patent	(F) Official Action - 4 22-May-08 months	US-3 Month Office 22-May-08 Action	US-3 Month Office 22-May-08 Action
Priority Claim on Spec.	US-4 Mo. Response Status Check	Correct Defects in Request Due	2 Weeks to Final Date	Notice/Publ. Fee Due	Issue Fee Due	Proofread Issued Patent	Response/Amendment - Ext Filed	3 Month Due Date	3 Month Due Date

xxxx.0221	11/689931	22-Mar-07	Appin Status Check (14 Appin Status Check (14 22-May-08 Mo.)	Appin Status Check (14 Mo.)
xxxx.0692		22-May-08	22-May-08 US-File Application	File Application
xxxx.0372	XXXX398	23-May-08	22-May-08 EARS Annuity Due	EARS Next Annuity Due
xxxxx.3541	XXXXXXX79-3	15-Nov-08	22-May-08 (F) New Application	Formal Documents to client
ooxxx.0103	11/056524	22-Feb-08	US-3 Month Office 22-May-08: Action	3 Month Due Date
cxxxx.0693 :12/109414	12/109414	22-May-08	22-May-08 US-Application Filed	Application Filed
ooxxx.0643	12/035612	22-Feb-08	22-May-08 Assignment	Assignment
xxxxx.0643	12/035612	22-Feb-08	Declaration/power of 22-May-08 attorney	Declaration/power of attorney
xxxxx.0643 12/035612	12/035612	22-Feb-08	22-May-08 Formal Drawings Due	Formal Drawings Due
xxxxx.0643	12/035612	22-Feb-08	Information Disclosure 22-May-08 Strnnt	Information Disclosure Strunt

Notice of Publication F	US-Notice of 22-May-08 Publication	22-May-08	11/933865	xxxxx.0172
Power of Attorney filed	US-Power of Attorney 22-May-08 filed	22-May-08	11/272379	xxxxx.0101 11/272379
US-4 Mo. Response S Check	US-3 Month Office 22-May-08 Action	19-Oct-07	10/834324	xxxxx.0102
Information Disclosure Strunt	Information Disclosure 22-May-08 Stmnt	22-Feb-08	12/035637	oxxxx.2581
Formal Drawings Due	22-May-08 Formal Drawings Due	22-Feb-08	12/035637	ooox.2581
Declaration/power of attorney	Declaration/power of 22-May-08 attorney	22-Feb-08	12/035637	xxxxx.2581 12/035637
Assignment	22-May-08 Assignment	22-Feb-08	12/035637	xxxxx.2581
Notice/Publ. Fee Due	22-May-08 US-Allowance	22-Feb-08	11/349711	xxxxx.3055
Issue Fee Due	22-May-08 US-Allowance	22-Feb-08	11/349711	xxxx.3055
3 Month Notice of Appe	22-May-08 US-Final Office Action	22-Feb-08	11/042922	xxxx.2689

3 Month Due Date	US-3 Month Office 22-May-08 Action	22-Feb-08	10/266819	xxxxx.0719
3 Month Due Date	US-3 Month Office 22-May-08 Action	22-Feb-08	10/595153	xxxxxx.0168 10/595153
Amendment Filed	22-May-08 US-Amendment	22-May-08	11/381687	xxxxx 1428
3 Month Due Date	US-3 Month Office 22-May-08 Action	22-Feb-08	11/083379	xxxxx.0112
Annuity Fee Due	22-May-08 (F) Annuity Fee Due	23-May-08	XX526	xxxxx.1493
1st Extension	US-2 Mo Correct 22-May-08 Appln, Papers	22-Feb-08	12/027427	xxxxxx.0949
PCT Form IB/311 Follow- up	PCT Form IB/311 22-May-08 Follow-up	22-May-08	XXXX/XX089	xxxxxx.1088
3 Month Notice of Appeal	22-May-08 US-Final Office Action	22-Feb-08	0/890316	xxxxxx.6654 1 10/890316
3 Month Notice of Appeal	22-May-08 US-Final Office Action	22-Feb-08	10/849318	xxxxx.7177 1
Article 19 Amendment Due	PCT Article 19 22-May-08 Amendment	22-Apr-08	xxxxxx.0964 XXX/XXXXXXXXX23	xxxxxx.0964 X

xxxxx.0417	11/536681	22-Feb-08	22-May-08 US-Final Office Action 3 Month Notice of Appea	.3 Month Notice of Appea
oxxxx.0417 11/536681	11/536681	22-Feb-08	22-May-08: US-Final Office Action	Formal Drawings Due
oxxx.0212	09/624047	22-May-08	US-Notice of 22-May-08 Abandonment	Notice of Abandonment
xxxxx.3483	XXX/XXXX/XX898	22-Dec-06.	ISR/Written Opinion 22-May-08 Received	ISR/Written Opinion Received
	11/682817	22-May-08	22-May-08 US-IDS Filed	IDS Filed
xxxxx.6306	11/134070	22-May-08	22-May-08 US-Advisory Action	Advisory Action
xxxxx.0101 1 12/140349	1 12/140349	22-Jun-08	22-May-08 US-File Application	Draft Due to Client
xxxxx 3332 60/942610	60/942610	07-Jun-07	22-May-08 Foreign Filing	Foreign Filing Due - LA
xxxxx.0157	XXXXXXX865	01-May-08	(F) Request 22-May-08 Examination	Confirmation of Filing Request
xxxxx.1760 11/031581	11/031581	22-May-08	US-Examiners Intervie 22-May-08 Summary	US-Examiners Interview Notice/Interview Summ Summary Rec'd

Transmittal to Client	22-May-08 PCT Form ISA/206	06-May-08	XXXX/XX815	xxxxx.0168
RCE (Req. Cont'd Exam	.US-RCE (Req. Cont'd 22-May-08 Exam)	22-May-08	10/145622	xxxxx.0412
Formal Documents to Client	22-May-08 (F) New Application	03-Dec-07	XXXX-XXX855	xxxxxx.0260
(F) Offical Action (NON- Response/Amend (Non- EXT)	(F) Offical Action (NON- 22-May-08 EXT)	23-May-08	XXXX125	xxxxxx.3495
Final Rejection	22-May-08 US-Final Office Action	22-May-08	10/766934	xxxxx.1288 10/766934
Notice of Allowance	22-May-08 US-Allowance	22-May-08	10/352343	xxxxx.2195
Advisory Action	22-May-08 US-Advisory Action	22-May-08	11/012962	xxxxx.1783
Notice/Incomplete Reply Rec'd	US-Notice/Incomplete 22-May-08 Reply	22-May-08	11/864104	xxxxxx.0106
Request for Status Due	US-Request for Status 22-May-08 Due	22-May-08	11/290046	xxxxx.0228
3 Month Due Date	US-3 Month Office 22-May-08 Action	22-Feb-08	11/369792	xxxxx.2692

xxxx.0171	XXXXXXX003	06-Jun-08	22-May-08 (F) Notice of Allowance Case Allowed	Case Allowed
xxxx.0739	11/958186	22-Jan-08	US-2 Month Missing 22-May-08 Parts	Drawings 2nd Reminder
xxxx.0739	11/958186	22-Jan-08	US-2 Month Missing 22-May-08 Parts	Oath/Declaration 2nd Reminder
oxxxx.1604	11/136187	22-Feb-08	US-3 Month Office 22-May-08 Action	3 Month Due Date
oxxxx.1474 :11/089743	11/089743	22-Feb-08	US-3 Month Office 22-May-08. Action	3 Month Due Date
cococx.0556	XXXXXX13.3	23-May-06	22-May-08 Annuity Fee Due	Annuity Fee Due
xxxxx.0223	11/689939	22-Mar-07	Appin Status Check (1/ 22-May-08 Mo.)	Appin Status Check (14 Appin Status Check (14 Mo.)
xxxxx.2115	11/865209	22-Oct-07,	US-2 Month Missing 22-May-08 Parts	Drawings Final Date
xxxxxx.3091	11/385455	07-Dec-07	22-May-08 US-Final Office Action	2 Weeks to Final Date
xxxxxx.1010 11/533039	11/533039	22-Feb-08	22-May-08 US-Review Foreign Art months)	Review Foreign Art (3 months)

00000000000000000000000000000000000000	1/531125	12-Sep-06	Information Disclosure 22-May-08 Stmnt	Information Dis Follow Up Date
oxxxx.2701	10/931160	22-Feb-08	US-3 Month Office 22-May-08 Action	3 Month Due Date
xxxxx.2701	10/931160	22-Feb-08	US-3 Month Office 22-May-08 Action	Formal Drawings Due
xxxxx 1888 2 12/017752	12/017752	22-Jan-08	22-May-08 Priority Claim on Spec.	Priority Claim on Spec.
xxxxx.1298 1 11/037803	11/037803	22-May-08	22-May-08 US-Amendment	Amendment Due
xxxxxx.0142	11/914431	22-May-08	US-Req.Correct.Filing 22-May-08 Receipt	Req.Correct.Filing Receip
xxxxx 1754 1 11/776636	11/776636	22-Feb-08	22-May-08 US-Review Foreign Art months)	Review Foreign Art (3 months)
xxxxx.1410		03-Nov-07	.US-Draft Appin/Amdt.to 22-May-08 Client	PUSH
xxxxx.0293	XXXXXXXX593	22-May-08	22-May-08 (F) Notice of Allowance Case Allowed	Case Allowed

xxxxxx.1520 C	xxxxx.2280 .1	xxxxxx.1849 6	xxxxxx.1849 6	xxxxx.1849 60	xxxxx.1308	xxxxxx.0101 11	xxxxxx.0103 110	xxxxx.2668 XX	xxxxxx.1153 XX
09/830899	10/333030	60/936925	60/936925	60/936925	12/115194	11/272379	10/766247	XXXXXXXXX004	XXXXXX177
22-May-08	22-May-08	22-Jun-07	22-Jun-07,	22-Jun-07	22-May-08	23-Nov-07	22-Nov-06	12-Jun-08	01-Jun-08
US-Decision/Appeal 22-May-08 Denied	US-3 Month Office 22-May-08 Action	22-May-08 U.S. Filing Due	22-May-08: Foreign Filing - Atty.	22-May-08: Foreign Filing	US-2 Month Missing 22-May-08 Parts	US-3 Month Office 22-May-08 Action	22-May-08 US-IDS Filed	22-May-08 (F) Grant/Issue Fees	PCT IB/326 (IPRP) 22-May-08: Follow-Up
Decision on Appeal Denied	Rejection Mailed	U.S. Filing Due	Foreign Filing Due - Atty	Foreign Filing Due - LA	2 Month Missing Parts	Letter Sent to Client	Information Dis Follow Up Date	Transmittal to Client	Prelim Report on Patentability

Appln Status Check (14 Appln Status Check (14 Mo.)	Appln Status C 22-May-08 Mo.)	22-Mar-07	xxxxxx 1518 11/689947
ffice 1 Month Action Mailed	US-1 Month Office 22-May-08 Action	22-May-08	xxxxx.0648 09/799861
Notice of Allowability	22-May-08 US-Allowability	22-May-08	xxxxx.2071 11/473955
Notice of Publication Rec'd	US-Notice of 22-May-08 Publication	22-May-08	xxxxxx.0877 11/972824
No. Customer No. Due/Filed	US-Customer No 22-May-08 Due/Filed	22-May-08	xxxxxx.0105 1 09/592486
ge Entity Notif, Change Entity Status	US-Notif Change Entity 22-May-08 Status	22-May-08	xxxxx.0118 · 12/123619
ge Entity Notif. Change Entity Status	US-Notif Change Entity 22-May-08 Status	22-May-08	xxxxxx.0114 11/130884
ssing Oath/Declaration Final Date	US-2 Month Missing 22-May-08 Parts	22-Oct-07	xxxxxx.2115 11/865209
IDS Filed	22-May-08 US-IDS Filed	22-May-08	xxxxx.2360 11/682735

xxxxxx.0311 10/892021	22-Oct-07	US-3 Month Office 22-May-08 Action	US-4 Mo. Response Status Check
xxxxxx.0703 11/690578	23-Mar-07	22-May-08 Notice of Publication	Notice of Publi Follow Up Date
xxxxxx.1320 XXXX508	23-May-03	(F) Request 22-May-08 Examination - 5 YR	Request for Exam Final
xxxxxx.3629 XXXXXXX36-7	07-Feb-08	22-May-08 (F) New Application	Formal Documents to Client
xxxxx.1321 IEXXXXXX14.3	23-May-08	22-May-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.0230 XXXXXX40.4	23-Nov-07	EP-(New) Rule 51(4) 22-May-08 Comm.	Review Correspondence
xxxxxx.1321 \$ XXXXXXX14.3	23-May-08	22-May-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxxx.1318 XXXXXXXX674	23-May-03	22-May-08 Annuity Fee Due	Annuity Fee Due
xxxxxx 1885 XXXXXXXXXXXX237	07-May-08	ISR/Written Opinion 22-May-08 Received	Copy to US Counsel
xxxxxx.1321 € XXXXXXX14.3	23-May-08	22-May-08 (F) Annuity Fee Due	Annuity Fee Due
		מ דומ בות	

xxxxxx.0783	xxxxxx,0694	xxxxxx.0139	xxxxxx.1354	xxxxx.6600 09/721806	xxxxxx.0110	xxxxxx.0487	xxxxx.0487 -60/957271	xxxxx.0487	xxxxxx.0105
11/562722	12/109455	XXXXXXX012	XXXXXXXXXXX454	09/721806	11/562456	60/957271	60/957271	60/957271	10/574122
22-Nov-06	22-May-08	01-May-08	23-Apr-08	22-Apr-08	22-Nov-06	22-Aug-07	22-Aug-07	22-Aug-07	22-Nov-06
22-May-08 Notice of Publication	22-May-08 US-Application Filed	22-May-08 (F) Response	22-May-08 (F) Official Action	Review Foreign Art days)	Information Disclosure 22-May-08 Stmnt	22-May-08 Foreign Filing	22-May-08 9 Mo. Reminders	22-May-08 9 Mo. Reminders	Application Status 22-May-08 Check
Notice of Publication	Application Filed	Review Correspondence	Response/Amendment Filed (EXT)	Review Foreign Art (30 t. days)	Information Dis Follow Up Date	9 Mo. Foreign Filing Rem/Atty	9 mo. U.S. Filing Reminder	9 mo. Foreign Filing Reminder	Application Status Check

xxxxxx.0783 11/562722	xxxxx.6590 1 11/132633	xxxxxx.0494 10/805825	xxxxxx.0556 XXXXXX13.3	xxxxxx.3325 11/767461	xxxxxx.3325 11/767461	xxxxxx.0190 111/726552	xxxxxx.0572 11/562758	xxxxxx.0461 10/792541	xxxxxx 0258 1 11/284540
22-May-08	22-May-08	22-May-08	23-May-08	22-Jun-08	22-Jun-07	22-Mar-07	22-Nov-06	22-Nov-06	22-Nov-05
22-May-08 US-Allowability	US-3 Month Office 22-May-08 Action	US-3 Month Office 22-May-08 Action	22-May-08 EARS Annuity Due	22-May-08 Foreign Filing-Attorney Foreign Filing Due-Atty.	22-May-08 Foreign Filing	Appin Status Check (14 22-May-08 Mo.)	22-May-08 Notice of Publication	22-May-08 US-IDS Filed	22-May-08 US-IDS Filed
Notice of Allowability	Rejection Mailed	Rejection Mailed	EARS Next Annuity Due	Foreign Filing Due-Atty.	Foreign Filing Due/LA	Appin Status Check (14 Appin Status Check (14 Mo.)	Notice of Publication	Information Dis Follow Up Date	Information Dis Follow Up Date

xxxxxx.0691 12/235772 22-May-08	xxxxxx 0109 XXXXXX39.7 05-Jun-08	xxxxxx 1514 12/152327 10-May-08	xxxxxxx.0546 11/058972 22-Apr-08	xxxxxx.1629 1 12/017916 22-Jan-08	χχχαχ.0253 11/052437 22-Jan-08	χχχχας 0461 10/792541 21-Aug-07	xxxxxx.0486 10/950072 22-May-08	xxxxxx 0943 11/352744 22-May-08	xxxxxx.0783 11/562722 22-May-08	
22-May-08 US-Application Filed	22-May-08 (F) Official Action	22-May-08 US-File Application	US-Notice/Non- 22-May-08 Compliant Appeal	22-May-08 Priority Claim on Spec.	US-RCE (Req. Contd 22-May-08 Exam)	US-3 Month Office 22-May-08 Action	22-May-08 US-Allowance	US-3 Month Office 22-Way-08 Action	22-May-08 US-Allowance	
Application Filed	Response/Amendment Due	Letter to Client Due	Res. Non-Comp Appeal Brief due	Priority Claim on Spec.	Appln Status Check/No Term Ext	US-4 Mo. Response Status Check	Notice of Allowance	Rejection Mailed	Notice of Allowance	

xxxxx.0262	xxxxx.1155	xxxxx.0114 11/130884	xxxxxx.0105	xxxxx.2115	xxxxx.0119 1 11/142858	xxxxxx.0220 11/108190	xxxxxx.0111	xxxxxx.0224	xxxxxx.1352	
12/048136	11/537226	11/130884	10/777820	11/865209	11/142858	11/108190	11/047972	11/373259	11/100479	
22-May-08	22-Nov-06	22-Apr-08	22-Apr-08	22-Oct-07	25-Jul-07	22-Jan-08	22-May-08	22-Apr-08	22-Apr-08	0.00
22-May-08 US-Verified Statement	22-May-08 US-IDS Filed	US-1 Mo. Office 22-May-08 Action/No Ext	US-RCE (Req. Cont'd 22-May-08 Exam)	US-2 Month Missing 22-May-08 Parts	US-3 Month Office 22-May-08 Action	22-May-08 US-Final Office Action	US-Terminal Disclaimer 22-May-08 Filed	22-May-08 US-Allowance	22-May-08: US-Allowance	I men
Verified Statement	Information Dis Follow Up Date	1 Month Due Date	Appin Status Check/No Term Ext	Filing Fees Final Date	US-4 Mo. Response Status. Check	1st Extension	Terminal Disclaimer Filed	Fee Due in 2 Months	Fee Due in 2 Months	

	xxxxx.2597 XXXXXX61.3	xxxxx.0838 XXX228	xxxxxx.0766 1 10/393942	xxxxx.0102 112/140353	xxxxx.1675 XXXXXX19.7	xxxxx.0572 11/562758	xxxxx.0102 11/316049	xxxxx.0566 11/562659	xxxxxx.0566 11/562659	xxxxx.0112 11/539464
	22-Apr-08	08-May-08	22-Nov-06	22-Jun-08	23-Jan-08	22-Nov-06	22-Feb-08	22-Nov-06	22-Nov-06	22-Jan-08
EXHIBIT 6	EP-Rule 17(3) 22-May-08 Communication	22-May-08 (F) Review US Art.	22-May-08:US-IDS Filed	22-May-08 US-File Application	(F) Official Action - 4 22-May-08 months	Information Disclosure 22-May-08 Strnnt	22-May-08 US-Allowance	22-May-08 Notice of Publication	Information Disclosure 22-May-08 Stmnt	US-3 Month Office 22-May-08 Action
	Correct Inventor(s) Address	(F) Review US Art.	Information Dis Follow Up Date	Draft Due to Client	Response/Amendment - Ext Filed	Information Dis Follow Up Date	ssue Fee Due	Notice of Publication	Information Dis Follow Up Date	1st Extension

OOXXX 0555	XXXXXX10.9	23-May-06	22-May-08 Annuity Fee Due	Annuity Fee Due
xxxxx.0385	10/728295	16-Nov-07	US-3 Month Office 22-May-08 Action	Letter to Client Due
xxxxx.0555	11/554828	31-Oct-06	Information Disclosure 22-May-08 Stmnt	Information Dis Follow Up Date
xxxxx.0630 [11/122351	11/122351	07-Dec-07	US-3 Month Office 22-May-08 Action	2 Weeks to Final Date
xxxxx.0115	XXXXXXXXXXX695	22-May-08	22-May-08 PCT Form IB/371	Notice Relating to Declaration
xxxxx.0181	XXXXXX08.9	22-Aug-07	22-May-08 EP-Opposition Period	Opposition Period Expire
xxxxx.0113	10/683763	22-Nov-06	22-May-08 US-IDS Filed	Information Dis Follow Up Date
xxxxx.1311	12/115213	22-May-08	US-2 Month Missing 22-May-08 Parts	2 Month Missing Parts
xxxxxx.3043	10/126108	22-Dec-07	US-Maintenance Tax (6 — Yr Tax Due (5 Mo. 22-May-08 month)	Grace) Grace)

US-3 Month Office 3 Month Due Date 22-May-08 22-May-08 Action 3 Month Due Date 3 Month Due Date 22-May-08 22-May-08 22-May-08 US-Alpwance Notice of Allowance Notice of Allowanc	C I ransmittal to Client	22-May-08 (F) Transmittal to Client Transmittal to Client	22-May-08	5 XXXXXXXXXXX630	xxxxx.0165
US-3 Month Office 11/315847 22.Feb-08 22.May-08 Action 10856408 22.May-08 22.May-08 US-Allowance 11/152860 22.May-08 22.May-08 22.May-08 (F) Status Check 22.May-08 22.May-08 (F) Official Action 22.May-08 23.May-08 23.May-08 23.May-08 23.May-08 24.May-08 24.May-08 24.May-08 25.May-08 25					
11/315847 22.Feb-08 22.May-08 Action Office 11/315847 22.Feb-08 22.May-08 Action Office 22.May-08 US-Allowance 11/152860 22.May-08 22.May-08 US-Allowance 11/152860 22.May-08 22.May-08 Action 12.May-08 22.May-08 (F) Status Check 12.May-08 (F) Official Action 12.May-08 (F) Official Action 13.XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	File Divisional Applicat	22-May-08 Divisional Application	22-May-08		xxxxx.2016
11/315847 22-Feb-08 22-May-08 Action 10/858408 22-May-08 22-May-08 US-Allowance 10/858408 22-May-08 22-May-08 US-Allowance 11/152860 22-May-08 22-May-08 (F) Status Check XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	RCE (Req. Contd Exa	US-RCE (Req. Cont'd 22-May-08 Exam)	22-May-08		xxxxxx.1277
1/315847 22-Feb-08 22-May-08 Action 10/856408 22-May-08 22-May-08 22-May-08 22-May-08 22-May-08 US-Allowance US-Notice of 11/152860 22-May-08 22-May-08 22-May-08 22-May-08 22-May-08 22-May-08 PCT Form ISA/202 22-May-08 Follow-Up	Rejection Mailed	US-3 Month Office 22-May-08 Action	22-May-08		xxxxxx.0569
11/315947 22-Feb-08 22-May-08 Action US-3 Month Office 10/859408 22-May-08 US-Allowance US-Moloca of 11/152960 22-May-08 22-May-08 (F) Status Check XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	PCT Form ISA/202	PCT Form ISA/202 22-May-08 Follow-Up	17-Apr-08		xxxxxx.0368
11/315847 22-Feb-08 22-May-08 Action US-3 Month Office 10/856408 22-May-08 22-May-08 US-Allowance US-Motice of 11/152860 22-May-08 22-May-08 Abandonment 22-May-08 22-May-09 (F) Status Check	Copy to US Counsel	22-May-08 (F) Official Action	05-Sep-08		xxxxx.2735
11/315947 22-Feb-08 22-May-08 Action US-3 Month Office 10/856408 22-May-08 22-May-08 US-Allowance US-Notice of 11/152360 22-May-08 22-May-08 Abandonment 22-May-08	Follow-up Status Check	1	22-Aug-07	XXXX681	xxxxx.1228
11/315847 22-Feb-08 22-May-08 Action US-3 Month Office 10/856408 22-May-08 22-May-08 US-Allowance 10/856408	Notice of Abandonment		22-May-08	11/152860	xxxxx.0203
US-3 Month Office 11/315847 22-Feb-08 22-May-08 Action	Notice of Allowance		22-May-08	10/856408	xxxxxx.0413
	3 Month Due Date	/onth Office	22-Feb-08	11/315847	xxxxx.1963

xxxxxx.0132	11/142939	22-Feb-08	US-3 Month Office 22-May-08 Action	3 Month Due Date
xxxxxx.3631	12/040206	22-May-08	US-Assignment 22-May-08 Recorded A	Assignment Recorded A
xxxxxx.0672 :11/677908	11/677908	22-Feb-07	22-May-08 Notice of Publication	Notice of Publi Follow Up Date
xxxxx.1758	XXXXXX531	01-Mar-08	(TW) Laid Open 22-May-08 Publication	Transmittal to Client
xxxxx.1885	XXXXXXXXXXXX237	07-May-08	ISR/Written Opinion 22-May-08/ Received	Transmittal to Client
xxxxxx.0102	11/316049	22-Feb-08	22-May-08 US-Allowance	Notice/Publ. Fee Due
xxxxx.2692	11/369792	22-May-08	22-May-08 US-IDS Filed	IDS Filed
xxxxx.2823	XXXXXXXXXXXX34.(16-Jun-08	22-May-08 (F) Official Action	Transmittal to US Counsel
xxxxxx.0335	12/116488	22-May-08	US-2 Month Missing 22-May-08 Parts	2 Month Missing Parts
xxxxxx.0481	XXXXXX39.8	23-May-08	22-May-08 (F) Annuity Fee Due	Annuity Fee Due

			1 10	
oxxx.0482	XXXXXX38.5	23-May-08	22-May-08 (F) Annuity Fee Due	Annuity Fee Due
0000x.0114	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	22-Jul-05	(F) Request 22-May-08 Examination - 3 YR	Request for Exam (Rem 2)
xxxx.1404	10/923172	13-Feb-08	US-3 Month Office 22-May-08 Action	Letter Sent to Inventors
xxxx.1284	12/157774	16-Mar-07	US-Draft Appln/Amdt.to 22-May-08 Client	Final Draft Sent to Client
xxxx.1348	XXXXXXZ06	08-Aug-08	22-May-08 (F) Grant/Issue Fees	Transmittal to Client
xxxx.0258	XXXX/XX275	08-May-08	22-May-08 (F) Transmittal to Client Transmittal to Client	Transmittal to Client
xxxx.2459	XXXXXXXXXXX00.4	23-May-08	22-May-08 (F) Annuity Fee Due	Annuity Fee Due
xxxx.0390	XXXXXX09.9	23-May-08	22-May-08 EARS Annuity Due	EARS Next Annuity Due
oxxox.0111	000000:0111 XXXXXXXXXXXXXXXXXXXXXXXXXXXX	22-Jul-05	(F) Request 22-May-08: Examination - 3 YR	Request for Exam (Rem 3)

xxxxx.0105 111/211071 xxxxxx 2115 11/865206	11/211071	07-Dec-07 22-Oct-07	22.May-08, US-Final Office Action US-2 Month Missing 22.May-08, Parts US-Notice of	2 Weeks to Final Date Assignment Final Date
xxxxx.0135	10/495406	22-May-08	US-Notice of 22-May-08 Abandonment	Notice of Abandonment
xxxxx.0609	11/615193	22-Dec-06	Information Disclosure 22-Jun-08 Stmnt	Information Dis Follow Up Date
xxxxx.0132 11/142939	11/142939	22-Feb-08	US-3 Month Office 22-Jun-08 Action	1st Extension
xxxxx.0648	09/799861	22-May-08	US-1 Month Office 22-Jun-08 Action	Resp/Non-Comp. Amend
xxxxx.2570	XXX710	22-Jun-08	22-Jun-08 (F) Letters Patent	Letters Patent Issued
xxxxxx.1092	11/615180	22-Jun-08	US-Notice of 22-Jun-08 Publication	Notice of Publication Rec
xxxxxx.0611	11/615696	22-Dec-06	22-Jun-08 Notice of Publication	Notice of Publication

xxxxxx.3325	xxxxx.2150	xxxxx.1518 11/615247	xxxxxx.0131	xxxxxx.0224	xxxxx.0184	xxxxx.7627	xxxxxx.0923	xxxxxx.0607 1	xxxxxx.0611 1
11/767461	XXXXXXX65-6	11/615247	XXXXXXX509	XXXX/XX122	XXXXXXXXXXXX95	11/070787	12/018184	11/615106	11/615696
22-Jun-07	23-Jun-08	22-Dec-06	22-Nov-06	22-Apr-08	22-May-08	22-Jun-08	22-Jan-08,	22-Dec-06	22-Dec-06
22-Jun-08 Foreign Filing	22-Jun-08 (F) Grant/Issue Fees	22-Jun-08 Notice of Publication	Publication with Form 22-Jun-08-IB/311	Forms RO/102 & 22-Jun-08 RO/105	PCT Article 19 22-Jun-08 Amendment	US-Request for Status 22-Jun-08 Due	22-Jun-08 Filing Receipt Rec'd	22-Jun-08 Notice of Publication	Information Disclosure 22-Jun-08: Stmnt
Foreign Filing Due	Pay Grant/Issue Fees Final	Notice of Publication	Publication with Form IB/311	Forms RO/102 & RO/105	Article 19 Amendment Due	Request for Status Due	Filing Receipt Rec'd	Notice of Publication	Information Dis Follow Up Date

xxxxx 3151 12/017707	22-Jan-08	22-Jun-08 Filing Receipt Rec'd	Filing Receipt Rec'd
xxxxxx.1352 11/100479	22-Apr-08	22-Jun-08 US-Allowance	Fee Due in 1 Month
xxxxx.2494 12/017943	22-Jan-08	22-Jun-08 Filing Receipt Rec'd	Filing Receipt Rec'd
xxxxx 1834 1.12/107531	22-Apr-08	22-Jun-08 Priority Claim on Spec.	Priority Claim on Spec.
xxxxx.1352 11/100479	22-Apr-08	22-Jun-08 US-Allowance	Notice/Pub. Fee Reminder
xxxxxx.0204 10/599230	22-Sep-06	US-Filing Receipt 22-Jun-08 Received	Filing Receipt Received
xxxxxxx413	22-Jun-08	22-Jun-08 (F) Filing Receipt	US Non-Prov Filing Receip
xxxxxx.0224 11/373259	22-Apr-08	22-Jun-08 US-Allowance	Notice/Pub. Fee Reminder
xxxxxx 0195 110/304611	13-Dec-07	US-3 Month Office 22-Jun-08 Action	US-4 Mo. Response Statu Check
xxxxxx.0230 1 11/615743	22-Dec-06	22-Jun-08 Notice of Publication	Notice of Publication
xxxxxx.3883 XXXX264	23-Jun-08	22-Jun-08 (F) New Application	File Application Final

xxxxx.0103 11/632461	xxxxxx.3217	xxxxxx.1096	xxxxxx.0173	xxxxx.1649 1 12/100909	xxxxx.1649 1:12/100909	xxxxxx.0166	xxxxx 1369	xxxxxx.2661	xxxxxx.0103
11/632461	XXXXXXX809	10/488136	10/210257	12/100909	12/100909	11/275700	11/235096	10/963916	10/489131
22-Oct-07	23-Jun-03	22-Feb-08	26-Dec-07	22-Apr-08	22-Apr-08	23-Apr-08	22-Dec-06	07-Jan-08	07-Jan-08
22-Jun-08 US-Assignment Filed	22-Jun-08 Annuity Fee Due	US-3 Month Office 22-Jun-08 Action	US-1 Month Office 22-Jun-08 Action	US-2 Month Missing 22-Jun-08 Parts	US-2 Month Missing 22-Jun-08 Parts	22-Jun-08 US-Election/Restriction	22-Jun-06 US-IDS Filed	US-3 Month Office 22-Jun-08 Action	US-3 Month Office 22-Jun-08 Action
Assignment Filed Follow Up	Annuity Fee Due	1st Extension	Application Status Check	Oath/Declaration Due	Assignment	1st Extension	Information Dis Follow Up Date	2 Weeks to Final Date	2 Weeks to Final Date

xxxxx.0102 1.12/140353	xxxxxx.0102 1:12/140353	xxxxx.0101 1 12/140349	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxx.3043 10/126108	xxxxxxx50.0	xxxxxx.0102	xxxxxx,0222 XXXX/XX095	xxxxxx.0212 XXXX/XX119	xxxxxx.0466 XXXXXX87.3
22-Jun-08	22-Jun-08	22-Jun-08	22-Jul-08	22-Dec-07	26-Nov-07	22-Oct-07	22-Apr-08	22-Apr-08	23-Jun-08
22-Jun-08 US-File Application	22-Jun-08 US-File Application	22-Jun-08 US-File Application	(F) Request 22-Jun-08 Examination	US-Maintenance Tax (6 22-Jun-08 month)	EP-(New) Rule 51(4) 22-Jun-08 Comm.	22-Jun-08 US-Assignment Filed	Forms RO/102 & 22-Jun-08 RO/105	Forms RO/102 & 22-Jun-08 RO/105	22-Jun-08 (F) Response
FILE W/NO NOT PUBLISH	File CVP Application	File Application	Request for Exam Reminder	Yr Tax 6 Mo. Grace Final	Transmittal to Client	Assignment Filed Follow Up	Forms RO/102 & RO/105	Forms RO/102 & RO/105	Response Due Final

	(F) Request	22-Jul-05	XXXXX970	xxxxxx,0105 XXXXX970
Petition to Revive Reminder	US-Notice of 22-Jun-08 Abandonment	22-May-08	10/495406	xxxxxx.0135
Information Dis Follow Up Date	Information Disclosure 22-Jun-08 Strunt	22-Dec-06	11/615521	xxxxx.0113
Request for Exam Due	(F) Request 22-Jun-08 Examination - 3 YR	22-Jul-05	XXXXXXXXXXXXX	xxxxxx.0111
1st Extension	22-Jun-08 US-Final Office Action	22-Feb-08	10/849318	xxxxx.7177
Assoc. Confirmed	22-Jun-08 (F) New Application	22-Jun-08	XXXXXX761	xxxxx.1988
Request for Status Due	US-Request for Status 22-Jun-08 Due	22-Jun-08	10/966685	xxxxx.0294
FILE W/DO NOT PUBLISH	22-Jun-08 US-File Application	22-Jun-08	12/140349	xxxxxx.0101 1 12/140349

	xxxxxxx 1059 12/053578	xxxxxx.1059 12/053578	xxxxxx.1020 12/053575	xxxxxx.1020 12/053575	xxxxx.1020 12/053575	xxxxx.1020 12/053575	xxxxxx.1020 12/053575	xxxxxx.0113 11/615521	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxx29-2
	22-Mar-08	22-Mar-08	22-Mar-08	22-Mar-08	22-Mar-08	22-Mar-08	22-Mar-08	22-Dec-06	22-Jul-05	22-Jul-05
	Information Disclosure 22-Jun-08: Strnnt	22-Jun-08 Formal Drawings Due	22-Jun-08 Priority Claim on Spec.	Information Disclosure 22-Jun-08 Strnnt	22-Jun-08 Formal Drawings Due	Declaration/power of 22-Jun-08 attorney	22-Jun-08 Assignment	22-Jun-08 Notice of Publication	(F) Request 22-Jun-08 Examination - 3 YR	(F) Request 22-Jun-08 Examination - 3 YR
reach field Y	Information Disclosure Stmnt	Formal Drawings Due	Priority Claim on Spec.	Information Disclosure Strnnt	Formal Drawings Due	Declaration/power of attorney	Assignment	Notice of Publication	Request for Exam Due	Request for Exam Due

xxxxx.0157	xxxxxx.1059	xxxxxx.3081	xxxxx.3559	xxxxxx.1040	oooox.1040	oxxxx.1040	oxxxx.1040	xxxxx.1040	xxxxx.0153
10/751216	12/053578	XXXXXXXXXX255	XXXXXXX80-1	12/053571	12/053571	12/053571	12/053571	12/053571	11/615643
22-Feb-08	22-Mar-08	22-Dec-05	22-Feb-08	22-Mar-08	22-Mar-08	22-Mar-08	22-Mar-08	22-Mar-08	22-Dec-06
US-RCE (Req. Cont'd 22-Jun-08 Exam)	22-Jun-08: Priority Claim on Spec.	(F) Request 22-Jun-98 Examination - 3 YR	22-Jun-08 (F) New Application	22-Jun-08 Priority Claim on Spec.	Information Disclosure 22-Jun-08 Strunt	22-Jun-08 Formal Drawings Due	Declaration/power of 22-Jun-08 attorney	22-Jun-08 Assignment	22-Jun-08 Notice of Publication
Appin Status Check/No Term Ext	Priority Claim on Spec.	Request for Exam (Rem 2)	Formal Documents to Client	Priority Claim on Spec.	Information Disclosure Stmnt	Formal Drawings Due	Declaration/power of attorney	Assignment	Notice of Publication
	US-RCE (Req. Cont'd 22-Jun-08 Exam)	12/053578 22-Mar-08 22-Jun-08-Priority Claim on Spec. US-RCE (Req. Contd.) 10/751216 22-Feb-08 22-Jun-08-Exam)	(F) Request (F) Request 22-Jun-06 Examination - 3 YR 22-Jun-08 Examination - 3 YR 22-Jun-08 Priority Claim on Spec. US-RCE (Req. Control 22-Feb-08 22-Jun-08 Exam)	XXXXXXX80-1 22-Feb-08 22-Jun-08 (F) New Application [F) Request XXXXXXXXX255 22-Dec-05 22-Jun-08 Examination - 3 YR 12053578 22-Mar-08 22-Jun-08 Priority Claim on Spec. US-RCE (Req. Contr.) 100751216 22-Feb-08 22-Jun-08 Exam)	12(0.53571 22-Mar-08. 22-Jun-08 Priority Claim on Spec. XXXXXXXX80-1 22-Feb-08 22-Jun-08 (F) New Application XXXXXXXXXX255 22-Dec-05 22-Jun-08 Examination - 3 YR. 12/053578 22-Mar-08 22-Jun-08 Priority Claim on Spec. 12/053578 22-Mar-08 22-Jun-08 Examination - 3 YR. 12/053578 22-Mar-08 22-Jun-08 Examination - 3 YR.	12/053571 22-Mar-08 22-Jun-08-Smmt 12/053571 22-Mar-08 22-Jun-08-Priority Claim on Spec. XXXXXXXX80-1 22-Feb-08 22-Jun-08 (F) New Application (F) Request XXXXXXXXXXX55 22-Dec-05 22-Jun-08 Examination - 3 YR 12/053578 22-Mar-08 22-Jun-08 Priority Claim on Spec. 12/053578 22-Mar-08 22-Jun-08 Examination - 3 YR US-RCE (Req Control 22-Jun-08 Examination - 10 YR)	12/053571 22-Mar-08 22-Jun-08 Formal Drawings Due information Disclosure 12/053571 22-Mar-08 22-Jun-08 Priority Claim on Spec. XXXXXXX80-1 22-Feb-08 22-Jun-08 (F) New Application XXXXXXXX255 22-Dec-05 22-Jun-08 Examination - 3 YR. 12/053578 22-Mar-08 22-Jun-08 Priority Claim on Spec. 12/053578 22-Mar-08 22-Jun-08 Priority Claim on Spec. 12/053578 22-Mar-08 22-Jun-08 Examination - 3 YR. 12/053578 22-Mar-08 22-Jun-08 Exa	12/053571 22-Mar-08 22-Jun-08 attorney 12/053571 22-Mar-08 22-Jun-08 Formal Drawings Due 12/053571 22-Mar-08 22-Jun-08 Smmt 12/053571 22-Mar-08 22-Jun-08 Priority Claim on Spec. XXXXXXXX80-1 22-Mar-08 22-Jun-08 (F) New Application XXXXXXXXX855 22-Dec-05 22-Jun-08 Examination - 3 YR. 12/053578 22-Mar-08 22-Jun-08 Priority Claim on Spec. 12/053578 22-Mar-08 22-Jun-08 Examination - 3 YR. 12/053578 22-Mar-08 22-Jun-08 Examination on Spec. 12/053578 22-Mar-08 22-Jun-08 Examination on Spec.	12/053571 22-Mar-08 22-Jun-08 Assignment Declaration/power of 12/053571 22-Mar-08 22-Jun-08 entorney 12/053571 22-Mar-08 22-Jun-08 Formal Drawings Due 12/053571 22-Mar-08 22-Jun-08 Smmt 12/053571 22-Mar-08 22-Jun-08 Priority Claim on Spec. XXXXXXXX80-1 22-Feb-08 22-Jun-08 (F) New Application XXXXXXXXX80-1 22-Feb-08 22-Jun-08 Examination - 3 YR 12/053578 22-Mar-08 22-Jun-08 Priority Claim on Spec. 12/053578 22-Mar-08 22-Jun-08 Priority Claim on Spec. 12/053578 22-Mar-08 22-Jun-08 Examination - 3 YR 12/053578 22-Mar-08 22-Jun-08 Examination on Spec. 12/053578 22-

xxxxx.0220 11/108190	xxxxxx96.8	xxxxx.1829 1:12/017582	xxxxx.1815 1 12/017521	xxxxx.0238 11/276917	xxxxxx.0112 11/539464	xxxxx.2689 11/042922	xxxxx.2784 XXXXX67.4	xxxxxx.0599 11/615154	xxxxx.0931 10/460811	
22-Jan-08	22-Dec-05	22-Jan-08	22-Jan-08	22-Jun-08	22-Jan-08	22-Feb-08	22-Mar-04	22-Dec-06	30-Nov-07	
22-Jun-08 US-Final Office Action	22-Jun-08 Regional Stage Entry	22-Jun-08 Filing Receipt Rec'd	22-Jun-08 Filing Receipt Rec'd	US-Application Status 22-Jun-08 Check	US-3 Month Office 22-Jun-08 Action	22-Jun-08 US-Final Office Action	Deadline for 22-Jun-08 Acceptance	Information Disclosure 22-Jun-08 Stmnt	US-3 Month Office 22-Jun-08 Action	
2nd Extension	Regional Stage Entry in EP	Filing Receipt Rec'd	Filing Receipt Rec'd	Application Status Check	2nd Extension	1st Extension	Due Date for Acceptance	Information Dis Follow Up Date	US-4 Mo. Response Status Check	

		-		
oxxx.1123	10/649452	22-Dec-06	22-Jun-08 US-IDS Filed	Information Dis Follow Up Date
xxx.0127	11/615654	22-Dec-06	22-Jun-08 Notice of Publication	Notice of Publication
xxxx.0137	11/615594	22-Dec-06	22-Jun-08 Notice of Publication	Notice of Publication
xxxx.2220	11/615577	22-Dec-06	22-Jun-08 Notice of Publication	Notice of Publication
xxxxx.0234	XXXX/XX191	22-Jun-08	22-Jun-08 Abandoned	Abandoned
xxxx.0124	11/615070	22-Dec-06	Information Disclosure 22-Jun-08. Stmnt	Information Dis Follow Up Date
xxxx.3366	60/945726	22-Jun-07	22-Jun-08 U.S. Filing Due	U.S. Filing Due
xxxx.0396	11/615422	22-Dec-06	22-Jun-08 Notice of Publication	Notice of Publication
xxxx.0139	11/615613	22-Dec-06	22-Jun-08 Notice of Publication	Notice of Publication
xxxxx.0276	29/234508	19-Jul-05	Information Disclosure 22-Jun-08 Stmnt	Information Dis Follow Up Date
xxxxx.0288	29/245434	22-Dec-05	Information Disclosure 22-Jun-08 Strnnt	Information Dis Follow Up Date

Information Disclosur Stmnt	Information Disclosure 22-Jun-08 Strnnt	22-Mar-08	12/053570	xxxxx.0998
Formal Drawings Du	22-Jun-08 Formal Drawings Due	22-Mar-08	12/053570	xxxxx.0998
Declaration/power of attorney	Declaration/power of 22-Jun-08 attorney	22-Mar-08	12/053570	xxxxxx.0998
Assignment	22-Jun-08 Assignment	22-Mar-08	12/053570	xxxxxx.0998
1st Extension	US-3 Month Office 22-Jun-08 Action	22-Feb-08	10/399243	xxxxx.0163
Request for Exam Du	(F) Request 22-Jun-08 ⁻ Examination - 3 YR	22-Jul-05	XXXXXX/X007	xxxxx.0114
Information Dis Follov Date	Information Disclosure 22-Jun-08:Stmnt	22-Dec-06	11/615602	xxxxxx.0123 11/615602
Response Due Final	22-Jun-08 (F) Response	23-Jun-08	XXXXXXXXXX41.	xxxxx.0506
Notice of Publication	22-Jun-08 Notice of Publication	22-Dec-06	11/615527	xxxxxx.0615
Notice of Publication	22-Jun-08 Notice of Publication	22-Dec-06	11/615663	xxxxxx.0623

892		12/053567 Z2-N		and the 1 of S	XXXXX392	00000x 1032 XXXXX392 22-
22-Jun-08 22-Jun-08 Filing Rev 22-Jun-08 22-Jun-08 (F) Officia 22-Jun-08 22-Jun-08 (Assignment		3	22-Jun-08			-
22-Jun-08 Filing Receipt Rec'd Filing Receipt Rec'd	22-Jun-08 (F) Official Action	22-Jun-08 (F) Official Action 22-Jun-08 Assignment Declaration/power of	r of osure	22-Jun-08 (F) Official Action Official Action Issued 22-Jun-08 Assignment Assignment Declaration/power of attorney 22-Jun-08 Stimnt 22-Jun-08 Stimnt 22-Jun-08 Priority Claim on Spec. Priority Claim on Spec.	22-Jun-08 (F) Official Action 22-Jun-08 Assignment 22-Jun-08 Assignment 22-Jun-08 Information Disclosure 22-Jun-08 Priority Claim on Spec 22-Jun-08 Examination - 5 YR	22-Jun-08 (F) Official Action 22-Jun-08 Assignment Declaration/power of 22-Jun-08 Information Disclosure 22-Jun-08 Priority Claim on Spec 22-Jun-08 Examination - 5 YR 22-Jun-08 US-Issue Notification
	al Action	al Action lent ion/power of	osure	lal Action lent ion/power of ion Disclosure Claim on Spec.	lal Action lent ion/power of ion/pisclosure ion Disclosure Claim on Spec	lal Action lent ton/power of tion/power of tion Disclosure tion Disclosure tion Disclosure tion Spec Claim on Spec

xxxxxx.1842	xxxxxx 0928	хохххх.3533	xxxxxx.0112	xxxxxx.0927	xxxxx.3473	xxxxxx.0122	xxxxx.0462 11/865610	xxxxxx.0949 12/027427	xxxxxx.0353
XXXXXX19.4	12/094199	XXXXXXX81-8	11/083379	12/094186	XXXXXXX85-9	11/615574	11/865610	12/027427	11/420618
22-Jun-08	22-Dec-05	15-Oct-08	22-Feb-08	22-Dec-05	22-Feb-08	22-Dec-06.	22-Oct-07	22-Feb-08	07-Jan-08
22-Jun-08 (F) Transmittal to Client Transmittal to Client	22-Jun-08 File Application	22-Jun-08 (F) New Application	US-3 Month Office 22-Jun-08 Action	22-Jun-08: File Application	22-Jun-08 (F) New Application	22-Jun-08 Notice of Publication	US-2 Month Missing 22-Jun-08 Parts	US-2 Mo Correct. 22-Jun-08 Appin. Papers	:US-3 Month Office 22-Jun-08 Action
nt Transmittal to Client	File Application	Formal Documents to Client	1st Extension	File Application	Formal Documents to Client	Notice of Publication	Assignment Filed Follow	2nd Extension	2 Weeks to Final Date

xxxxxx.0114 XXXXXXXXXX007	xxxxxx.1962 XXXXXX698	xxxxx.1947 XXXXXX699	xxxxxx.2781 XXXXXXXXXXXX51.	xxxxxx.0212 09/624047	xxxxxx.0417 11/536681	xxxxx.1585 10/818305	xxxxx 0253 10/255989	XXXXXX 2529 XXXXXXXXXX003
0X007 22-Jul-08	398 22-Aug-08	399 22-Aug-08	XXX51. 29-Jan-08	22-May-08	22-Feb-08	22-Feb-08	14-Dec-07	003 22-Apr-08
(F) Voluntary 22-Jun-08 Amendment	22-Jun-08 (F) Priority Document	22-Jun-08 (F) Priority Document	22-Jun-08 (F) Official Action	US-Notice of 22-Jun-08:Abandonment	22-Jun-08: US-Final Office Action	US-3 Month Office 22-Jun-08 Action	US-3 Month Office 22-Jun-08 Action	22-Jun-08 (F) Official Action
Voluntary Amendment [Order Priority Documen	Order Priority Document	Assoc. Confirmed Response	Petition to Revive Reminder	1st Extension	1st Extension	US-4 Mo. Response Stat Check	Instructions to Agent Due

xxxxx.2289)	xxxxxx.0105	xxxxxx.0102 1	xxxxxx.2195 1	xxxxx.0106 .1	xxxxx.1344 X	xxxxx.0964 X	xxxxxx.1059 12	xxxxxx.1059 12	xxxxx.1534 XX
XX/X/XXXXXXXXX	10/411848	11/306781	10/352343	11/864104	XXXX376	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	12/053578	12/053578	XXXXX98.2
06-Jul-08	22-Feb-08	22-Jan-08	22-May-08	22-May-08	25-Jun-03	22-Apr-08	22-Mar-08	22-Mar-08	06-Jul-08
22-Jun-08 (F) Grant/Issue Fees	US-RCE (Req. Cont'd 22-Jun-08 Exam)	US-Request for Status 22-Jun-08 Filed	22-Jun-08 US-Allowance	US-Notice/Incomplete 22-Jun-08 Reply	(F) Request 22-Jun-08 Examination - 5 YR	PCT Article 19 22-Jun-08 Amendment	Declaration/power of 22-Jun-08 attorney	22-Jun-08 Assignment	22-Jun-08 (F) Official Action
Pay Grant/Issue Fees	Appln Status Check/No Term Ext	Follow Up Request for Status	Fee Due in 2 Months	Notice/Incomplete Reply Final	Confirmation of Filing	Article 19 Amendment Final	Declaration/power of attorney	Assignment	Response/Amendment Due

xxxxxx.0413	xxxxxx.0195	xxxxx.0203	xxxxxx.0201	xxxxxx.0109	xxxxx.1364	xxxxx.0123	xxxxxx.0739	xxxxx.0739 11/958186	xxxxxx.0989 12/053567
10/856408	10/444693	11/152860	10/502991	11/311594	11/199139	11/615602	11/958186	11/958186	12/053567
22-May-08	22-May-08	22-May-08	22-Apr-08	22-Jan-08	22-Feb-08	22-Dec-06	22-Jan-08	22-Jan-08	22-Mar-08
22-Jun-08 US-Allowance	US-Notice/Non- 22-Jun-08 Compliant Appeal	US-Notice of 22-Jun-08 Abandonment	US-3 Month Office 22-Jun-08 Action	22-Jun-08 US-Final Office Action	US-3 Month Office 22-Jun-08 Action	22-Jun-08 Notice of Publication	US-2 Month Missing 22-Jun-08 Parts	US-2 Month Missing 22-Jun-08 Parts	22-Jun-08 Formal Drawings Due
Fee Due in 2 Months	Res. Non-Comp Appeal Brief due	Petition to Revive Reminder	1 Month to Due Date	2nd Extension	1st Extension	Notice of Publication	Oath/Declaration 3rd Reminder	Drawings 3rd Reminder	Formal Drawings Due

Reply Brief Reminder US Non-Prov Filing Receipt	US-Decision/Appea 22-Jun-08 Denied 22-Jun-08 (F) Filing Receipt	22-May-08 22-Jun-08	xxxxx 2006 XXXXXX410
yent Transmittal t	22-Jun-08 (F) Transmittal to Agent :Transmittal to Agent	22-Jun-08	00000x.1958 XXXXXX956
Review for Generic Claim	US-1 Month Office 22-Jun-08 Action	22-Jun-07	xxxxx.0753 10/730066
U.S. Filing Due	22-Jun-08 U.S. Filing Due	22-Jun-07	00000 1849 60/936925
Notice of Publication	22-Jun-08 Notice of Publication	22-Dec-06	xxxxx.0609 11/615193
US Non-Prov Filing Receipt	22-Jun-08 (F) Filing Receipt	22-Jun-08	xxxx.1956 XXXXXX409
Fee Due in 1 Month	22-Jun-08 US-Allowance	22-Apr-08	xxxxx.0224 11/373259
re Information Dis Follow Up Date	Information Disclosure 22-Jun-08 Stmnt	18-Dec-06	xxxxx.0600 11/612452
Filing Receipt Rec'd	22-Jun-08 Filing Receipt Rec'd	22-Jan-08	xxxx. 1888 2 12/017752

xxxxx.2178	xxxxxx.0287	xxxxx.1518	xxxxx.1519	xxxxx.1515	xxxxx.1517	xxxxx.1516	xxxxx.2457	xxxxxx.0646
XXX/X006	11/627146	XXXXXX10.2	XXXXX10.2	XXXXXX10.2	XXXXXX10.2	XXXXXX10.2	XXX/XXXX/XXXZ0	11/625601
23-Jul-08	22-Jul-08	23-Apr-08	23-Apr-08	23-Apr-08	23-Apr-08	23-Apr-08	22-Jul-08	22-Jan-07
22-Jul-08 EARS Annuity Due	22-Jul-08:US-Patent Issue Date	22-Jul-08 EP-National Validation	ISR/Written Opinion 22-Jui-08 Received	Information Disclosure 22-Jul-08 Stmnt				
EARS Next Annuity Due	Patent Issue Date	National Validation Completed	ISR/Written Opinion Received	Information Dis Follow Up Date				

	xxxxx.1675	xxxxxx.1096	xxxxx.0169 11/272413	xxxxxx.1110	xxxxx.7719	xxxxxx.0374	xxxxx.0137	xxxxx.0177	хххххх.3065
	XXXXXX19.7	10/488136	11/272413	XXXXXXXXXXX827	XXXXXX01.1	11/611255	29/280943	XXX/XXXXXXXXXXX	XXX/XXXX/XXX92
	23-Jan-08	22-Feb-08	22-Aug-06	29-Oct-07	23-Jul-08	22-Jul-08	22-Jul-08	80-Inl-80	23-Jan-06
ЕХНІВІТ 6	(F) Official Action - 4 22-Jul-08 months	US-3 Month Office 22-Jul-08 Action	Review for Broad 22-Jul-08 Reissue	22-Jul-08 (F) Letters Patent	EP - Rule 97(1) 22-Jul-08 Communication	22-Jul-08 US-Issue Notification	22-Jul-08:US-Issue Notification	22-Jul-08 PCT Form RO/106	PCT National Stage 22-Jul-08 Entry - US
	Response/Amendment Filed (EXT)	2nd Extension	Review for Broad Reissue	Transmittal to Client	Transmittal to Client	Issue Notification	Issue Notification	Request for Rectification Rec'	PCT National Stage Entry - US

	xxxxx.3065	xxxxx.0120 60/981765	xxxxxx.0206	xxxxx.0139 1.11/251137	xxxxxx.0222	xxxxx.0212	xxxxx.0212	xxxxxx.0779	xxxxx.3254	xxxxx.0212	xxxxx.0622
	XXXXXXXXXXXXX	60/981765	10/599222	11/251137	XXXX/XX095	XXXXXX119	XXXXXXX119	11/752150	11/752032	09/624047	11/614752
	23-Jan-06	22-Oct-07	22-Sep-06	22-Apr-08	22-Apr-08	22-Apr-08	22-Apr-08	22-May-07	22-May-07	22-May-08	21-Dec-06
ЕХНІВІТ 6	Chapter II Nat/Reg 22-Jul-08-Filling	22-Jul-08 Foreign Filing	US-Filing Receipt 22-Jul-08 Received	22-Jul-08 US-Final Office Action	22-Jul-08 Form ISA/202	22-Jul-08 Form ISA/202	22-Jul-08 Form IB/301	Appin Status Check (14 Appin Status Check (14 22-Jul-08 Mo.)	Appln Status Check (14 22-Jul-08 Mo.)	US-Notice of 22-Jul-08 Abandonment	Information Disclosure 22-Jul-08 Stmnt
	Chapter II Nat/Reg Filing	9 Mo. Foreign Filing Rem/Atty	Filing Receipt Received	3 Month Notice of Appeal	Form ISA/202	Form ISA/202	Form IB/301	Appin Status Check (14 Mo.)	Appin Status Check (14 Appin Status Check (14 Mo.)	Follow Up Pet. To Revive Filed	Information Dis Follow Up Date

xxxxxx.1339 :11/757618	xxxxxx.0154 09/896887	xxxxx.1466 11/940095	xxxxx.1464 11/940040	xxxxx.1463 11/940001	xxxxx.1465 11/940077	00xxxx.0307 XXXXXXXXXX002	xxxx.0413 10/856408	0000xx.2381 11/835098	xxxx.3331 11/805429	xxxxx 1020 12/053575	xxxx 2561 XXXXXX00.5	
DEADA NO SHOOMED	22-Jul-08	22-Jul-08	22-Jul-08	22-Jul-08	22-Jul-08	23-Jul-08	22-May-08	07-Aug-07	22-May-07	22-Mar-08	07-Mar-08	my
US-3 Month Office	US- Req Correct Assignmen 22-Jul-08 t	22-Jul-08 US-IDS Filed	22-Jul-08 US-IDS Filed	22-Jul-08 US-IDS Filed	22-Jul-08 US-IDS Filed	(F) Voluntary 22-Jul-08 Amendment	22-Jul-08;US-Allowance	22-Jul-08: Foreign Filing	Appin Status Check (14 Appin Status Check (14 22-Jul-08 Mo.)	22-Jul-08 Priority Claim on Spec.	(F) Official Action - 4 22-Jul-08 months	
	Req.Corrected Assignmen	IDS Filed	IDS Filed	IDS Filed	IDS Filed	Voluntary Amendment Final	Notice/Pub. Fee Reminder	Foreign Filing Due - LA	Appln Status Check (14 Mo.)	Priority Claim on Spec.	Review Correspondence	

xxxxx 0335 12/116488	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxx.8947 XXXX/XX089	xxxxxx.8945 XXXX/XX087	xxxxxx.1746 XXXXXX53.3	χχχχχ. 1649 XXXXZ/98 χχραχχ. 0593 XX-XXXX-XXXX23	XXXXXX.0491 11/023320	xxxxx.0132 11/142939	xxxxx.0581 11/752167	xxxxx 1915 12/139640
22-May-08	X994 11-Apr-08	22-Jul-08	22-Jul-08	22-Jul-08	22-Jul-08 0X23 22-Jul-03	22-Jul-08	22-Feb-08	22-May-07	22-Jul-08
US-2 Month Missing 22-Jul-08 Parts	22-Jul-08.(F) Response	(F) Review 22-Jul-08 Correspondence	(F) Review 22-Jul-08 Correspondence	22-Jul-08 (F) Transmittal to Client, Transmittal to Client	22-Jul-08 (F) Official Action 22-Jul-08 Deferred Exam	22-Jul-08 US-Final Office Action	US-3 Month Office 22-Jul-08 Action	Appin Status Check (14 Appin Status Check (14 22-Jul-08 Mo.)	22-Jul-08 US-IDS Filed
Oath/Declaration Due	Transmittal to Client	Review Correspondence	Review Correspondence	nt Transmittal to Client	Official Action Issued Deferred Exam	Final Rejection	2nd Extension	Appin Status Check (14 Mo.)	IDS Filed

Assignment Filed	22-Jul-08 US-Assignment Filed	22-Jul-08	xxxxxx. 1831 1 12/051170
Req. to Withdraw Petition	US-Preliminary 22-Jul-08 Amendment	22-Jul-08	xxxxxx.1831 112/051170
Letter to Client Due	US-Preliminary 22-Jul-08 Amendment	22-Jul-08	xxxxx.1831 1.12/051170
Review Correspondence	22-Jul-08 PCT Form RO/132	09-May-08	xxxxxx.1278 XXXXXXXXXX106
Filing Receipt Received	22-Jul-08 (F) New Application	15-Nov-08	xxxxxx.3541 XXXXXXX79-3
Issue Notification	22-Jul-08 US-Issue Notification	22-Jul-08	xxxxx.0316 11/151227
Form IB/301	22-Jul-08 Form IB/301	22-Apr-08	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
Assignment	US-2 Month Missing 22-Jul-08 Parts	22-May-08.	xxxxxx.1311 12/115213
Letter to Client Due	US-RCE (Req. Contd 22-Jul-08 Exam)	22-Jul-08	xxxxx.1429 111/079878
Declaration Filed	22-Jul-08 US-Declaration Filed	22-Jul-08	xxxxx.0908 11/996020

υS-Notice of 22-May-08 22-Jul-08 Abandonment		xxxxxx.0387 11/436782 07-Feb-08 22-Jul-08 US-Final Office	xxxxxxx.1965 11/336742 22-Jul-08 22-Jul-08 US-Issue Notification	xxxxxx.1624 10/755791 22-Jul-08: 22-Jul-08:US-Advisory Action	xxxxxx 1831 112/051170 22-Jul-08 22-Jul-08 Amendment	xxxxxx.0316 11/151227 22_Jul-08 22_Jul-08 US-Patent Issue Date	xxxxx.1421 11/862292 22-Jul-08. 22-Jul-08 US-lssue Notification	xxxxxx 3197 XXXXXXX66-2 23-Mar-06 22-Jul-08 Exam Request	(F) Deadline for xxxxxx 1539 XXXXXXX173 22-Oct-08 22-Jul-08 Acceptance	
ut-08 Abandonment	US-Notice of	22-Jul-08 US-Final Office Action							for	
	Petition to Revive Due	2 Weeks to Final Date	Issue Notification	Advisory Action	Preliminary Amendment	Patent Issue Date	Issue Notification	Exam Request	Due Date for Acceptance	

	xxxxxxx899	xxxxx 1059 12/053578	xxxxxx.1040 12/053571	xxxxx.0108 XXXX/XX502	xxxxxxx.0328 10/526148	xxxxxx.0212 10/511575	xxxxx.0120 10/473961	xxxxx.0622 10/980496	xxxxxx 1290 XXXX904
The state of the s	22-Aug-08	22-Mar-08	22-Mar-08	22-Jul-08	22-Jul-08	22-Jul-08	22-Jul-08	22-Jul-08	23-Jul-08
ЕХНІВІТ 6	22-Jul-08 (F) Priority Document	22-Jul-08 Priority Claim on Spec. Priority Claim on Spec	22-Jul-08 Priority Claim on Spec. Priority Claim on Spec	PCT Change Under 22-Jul-08 Rule 92bis	US-3 Month Office 22-Jul-08 Action	US-Notice of 22-Jul-08 Abandonment	22-Jul-08: US-Final Office Action	US-3 Month Office 22-Jul-08 Action	(F) Request 22-Jul-08 Examination
	File Priority Documen	c. Priority Claim on Spec	s. Priority Claim on Spec	Received Form PCT/IB/306	Rejection Mailed	Notice of Abandonmer	Final Rejection	Rejection Mailed	Request for Exam Filed

Transmittal to Client	22-Jul-08 (F) Transmittal to Client Transmittal to Client	08-Jul-08	XXXXXX41.4	хххххх.0346
2 Month Missing Parts	US-2 Month Missing 22-Jul-08 Parts	22-Jul-08	12/165760	xxxxxx.1535
Final Rejection	22-Jul-08 US-Final Office Action Final Rejection	22-Jul-08	11/129941	xxxxxx.0994 1 11/129941
Fee Due in 1 Month	22-Jul-08 US-Allowance	22-May-08	10/352343	xxxxxx.2195
PCT National Stage Entry - US	PCT National Stage 22-Jul-08 Entry - US	23-Jan-06	XXX/XXXXXXXXX18	xxxxx.2747
Reply Brief	22-Jul-08/US-Examiner's Answer Reply Brief	22-May-08	11/046043	xxxxx.0597
Case Allowed	22-Jul-08 (F) Notice of Allowance Case Allowed	22-Jul-08	XXXX622	xxxxx.0425
Revocation/Power of Atty.Due	US-Revocation/Power 22-Jul-08 of Atty.	22-Jul-08	12/170025	xxxxx.0179
6 Month Final Date	22-Jul-08 US-Final Office Action	22-Jan-08	11/108190	xxxxx.0220
Assignment Follow Up Date	22-Jul-08 Assignment	22-Jan-08	12/017582	xxxxx.1829 1 12/017582
		Marridon /		

Terminal Disclaimer Filed	US-Terminal Disclaimer 22-Jul-08 Filed	22-Jul-08	10/740290	xxxxxx.1217 10/740290
Transmittal to Client	22-Jul-08 (F) Transmittal to Client Transmittal to Client	80-Inf-80	XXXXXX46.0	xxxxxx.0362
Transmittal to Client	22-Jul-08 (F) Transmittal to Client Transmittal to Client	08-Jul-08	xxxxxx.0334 XXXXXX77.2	xxxxxx.0334
Transmittal to Client	22-Jul-08 (F) Transmittal to Client Transmittal to Client	08-Jul-08	XXXXXX81.0	xxxxx.0338
Filing Receipt Received	US-Filing Receipt 22-Jul-08 Received	22-Jul-08	12/165760	xxxxx.1535 12/165760
9 mo. Foreign Filing Reminder	22-Jul-08 9 Mo. Reminders	22-Oct-07	60/981765	xxxxx.0120
Transmittal to Client	22-Jul-08 (F) Transmittal to Client Transmittal to Client	08-Jul-08	XXXXXX86.8	xxxxx.0350
Transmittal to Client	22-Jul-08 (F) Transmittal to Client Transmittal to Client	08-Jul-08	XXXXXX88.4	xxxxx.0358
Transmittal to Client	22-Jul-08 (F) Transmittal to Client Transmittal to Client	08-Jul-08	XXXXXX83.5	xxxxxx.0354
IDS Filed	22-Jul-08 US-IDS Filed	22-Jul-08	11/739813	xxxxx.0761

xxxxx.0105 1	xxxxxx.8134 10	xxxxxx.0163 10	xxxxxx.0114 X	xxxxx.0523 X	xxxxxx.1221 XX	xxxxx.1986 XX	xxxxx.1984 XX	хххххх.1732 XX
11/625675	10/888196	10/399243	XXXXXXXXX007	XXXXXXX383	XXXXXX24.2	XXXX-XXXX238	XXXXXXXXXXZ7.	XXX/XXXXXXXXX48
 22-Jan-07	22-Jan-07	22-Feb-08	22-Jul-05	07-Apr-08	23-Apr-08	08-Jul-08	.80-luL-80	26-Jun-08
22-Jul-08 Notice of Publication	22-Jul-08 US-IDS Filed	US-3 Month Office 22-Jul-08 Action	(F) Request 22-Jul-08 Examination - 3 YR	(F) Declaration of 22-Jui-08 Entitlement	22-Jui-08 EP-National Validation	22-Jul-08 (F) Transmittal to Agent Transmittal to Agent	22-Jul-08 (F) Transmittal to Agent Transmittal to Agent	PCT IB/326 (IPRP) 22-Jul-08 Follow-Up
Notice of Publication	Information Dis Follow Up Date	2nd Extension	Request for Exam Final	Review Correspondence	National Validation Completed	t Transmittal to Agent	t Transmittal to Agent	Transmittal to Client

xxxxx.0125	xxxxxx.0125 >	xxxxxx.0565	xxxxxx.0373 X	xxxxx.2148 1	xxxxxx.0369 X	xxxx.1830 X	xxxxx.1766 X	xxxxxx.0998 12	xxxxx.0231 09	
XXXXXX73.9	XXXXXX73.9	09/467263	XXXX891	10/258510	XX-XXX410	XXXXXX27.1	XXXX/XX450	12/053570	09/990354	
23-Jul-08	23-Jul-08	22-Jan-01	23-Jul-08	22-Jul-08	23-Jul-08	23-Jan-08	14-Jul-08	22-Mar-08	22-Jul-08	-
22-Jul-08 EARS Annuity Due	22-Jul-08 EARS Annuity Due	22-Jul-08 Maintenance fee	22-Jul-08 EARS Annuity Due	22-Jui-08 US-Patent Issue Date	22-Jul-08 EARS Annuity Due	EP - Rule 51(1) EPC - 0	ISR/Written Opinion 22-Jul-08 Received	22-Jul-08 Priority Claim on Spec.	22-Jul-08 US-Assignment Filed	
EARS Next Annuity Due	EARS Next Annuity Due	TAX 7.5	EARS Next Annuity Due	Patent Issue Date	EARS Next Annuity Due	EP - Rule 51(1) EPC - 6 Proceed with EP app mo.	Transmittal to Client	Priority Claim on Spec.	Assignment Filed	

xxxxxx.3238 X	xxxxx.0949	xxxxx.0182 1	xxxxx.2581 1	xxxxxx.0989 11	xxxxxx.1535	xxxx.2689 111	xxxxx.0104 61	xxxxxx 1080 12	xxxxxx.0643 12	xxxxx.0524 XX
XXXXXX67.4	12/027427	12/169931	12/035637	12/053567	12/165760	11/042922	61/030715	12/125813	12/035612	XXXXXX24.2
23-Jul-08	22-Feb-08	22-Jul-08	22-Feb-08	22-Mar-08	17-Jul-08	22-Feb-08	22-Feb-08	22-May-08	22-Feb-08	23-Apr-08
22-Jul-08 (F) Annuity Fee Due	US-2 Mo Correct 22-Jul-08 Appln. Papers	US-Revocation/Power 22-Jul-08 of Atty.	22-Jul-08 Filing Receipt Rec'd	22-Jul-08 Priority Claim on Spec.	22-Jul-08 US-IDS Due	22-Jul-08 US-Final Office Action	22-Jul-08 Filing Receipt Rec'd	22-Jul-08 Priority Claim on Spec	22-Jul-08 Filing Receipt Rec'd	22-Jul-08 EP-National Validation
Annuity Fee Due	3rd Extension	Revocation/Power of Atty Due	Filing Receipt Rec'd	Priority Claim on Spec.	Letter to Client Due	2nd Extension	Filing Receipt Rec'd	Priority Claim on Spec	Filing Receipt Rec'd	National Validation Completed

1
22-Jul-08 US-File Application
22-Jul-08 US-File Application
22-Jul-08 US-File Application
22-Jul-08: US-Final Office Action
22-Jul-08 US-IDS Due
US-Change of Corresp. 22-Jul-08: Address
22-Jul-08 Divisional Application
22-Jul-08 (F) Annuity Fee Due

xxxxxx.0512 X	xxxxx.1567 10	xxxxx.1831 1.12/051170	xxxxx.0494 10	xxxxxx.3483 XX	хоохх.1962 XX	xxxxx.9172 XX	xxxxxx.0109 ·11/757787	xxxxxx.0334 90/	xxxxxx.0212 09/
XXXXXXXXXXXX	10/279180	2/051170	10/805825	XXX/XXXX/XX698	XXXXXX698	XXXXXX41.4	757787	90/007914	09/624047
22-Aug-08	22-Apr-08	22-Jul-08	22-May-08	22-Dec-06	22-Aug-08	20-Jul-08	22-Jul-08	22-Jul-08	22-May-08
(F) Voluntary 22-Jul-08 Amendment	:US-3 Month Office 22-Jul-08 Action	US-Assignment 22-Jul-08 Recorded C	US-3 Month Office 22-Jul-08 Action	Publication with Form 22-Jut-08:IB/311	22-Jul-08 (F) Priority Document	22-Jul-08 (F) New Application	22-Jul-08 US-Petition	22-Jul-08 US-Supp. IDS Filed	US-Notice of 22-Jul-08 Abandonment
Voluntary Amendment D	3 Month Due Date	Assignment Recorded C	Draft Response to Client	Publication with Form IB/311	File Priority Document	Filing Receipt Received	Petition	Supp. IDS Filed	Petition to Revive Due

xxxxxxxx77.1	xxxxx.3249	xxxxxx.3242	xxxxx.0184	xxxxxx.3244)	xxxx.2671)	xxxx.2668 >	xxxxxx.3245 >	xxxxx.0944 10/630515	xxxxxx.3237 X	xxxxxx.3236 X	xxxxxx.3225 X
XXXXXX77.1	XXXXXX77.1	XXXX112	XXX/XXXX/XXX95	XXXXXX67.4	XXXXXXXXXX566	XXXX955	XXXXXX377	0/630515	XXXXXX67.4	XXXXXX77.1	XXXXX691
23-Jul-08	23-Jul-08	23-Jul-08	22-May-08	23-Jul-08	23-Jul-08	23-Jui-08	23-Jul-08	22-Jul-08	23-Jul-08	23-Jul-08	29-Jan-08
22-Jul-08 (F) Annuity Fee Due	22-Jul-08 (F) Annuity Fee Due	22-Jul-08 (F) Annuity Fee Due	PCT Article 19 22-Jul-08 Amendment	22-Jul-08 (F) Annulty Fee Due	22-Jul-08 (F) Annuity Fee Due	22-Jul-08 (F) Annuity Fee Due	22-Jul-08 (F) Annuity Fee Due	22-Jul-08 US-Final Office Action	22-Jul-08 (F) Annuity Fee Due	22-Jul-08 (F) Annuity Fee Due	22-Jul-08 (F) Grant/Issue Fees
Annuity Fee Due	Annuity Fee Due	Annuity Fee Due	Article 19 Amendment Final	Annuity Fee Due	Annuity Fee Due	Annulty Fee Due	Annuity Fee Due	Final Rejection	Annuity Fee Due	Annuity Fee Due	Received Letters Patent

xxxxxx.0512 XXXXXXXXX007 22-Aug-05 22-Jul-08 Examination - 3 YR	000000x.1288 10/766834 22-May-08 22-Jul-08 US-Final Office /	xxxxxx.2195 10/352343 22-May-08 22-Jul-08.US-Allowance	ccccc.9024 XXX501 22-Jul-08 22-Jul-08 Abandoned	∞∞∞ 1065 XXXXXX10.2 23-Apr-08 22-Jul-08 EP-National Valid	000000 1076 10/471456 22-Jul-08 22-Jul-08 US-Allowance	Chapter II Nat/Revxxx1103 XXXXXXX459 22-May-06 22-Jul-08 Filing	xxxxxx.1223 XXXXXXX4.2 23-Apr-08 22-Jul-08 EP-National Valid	xxxxx.0152 XXXXXX38.7 22-Jul-08 22-Jul-08 Annuity Fee Due	xxxxx.3247 XXXXXX77.1 23-Jul-08 (F) Annuity Fee Due
	22-Jul-08 US-Final Office Action Date	1		National V. 22-Jul-08 EP-National Validation Completed		er II Nat/Reg	National Validation Completed		
Request for Exam Due	2 Month Amendment Due Date	Notice/Pub. Fee Reminder	Abandoned	National Validation Completed	Notice of Allowance	Chapter II Nat/Reg Filing Rem.	National Validation	Annuity Fee Due	Annuity Fee Due

	ххххх 3621 12/167715 22-Jul-08 22-	xxxxxx.0137 29/280943 22-Jul-08 22-	xxxxxx.0739 11/858186 22-Jan-08 22-	χχχχχχ, 0739 11/958186 22-Jan-08 22-	xxxxxx.0432 11/875304 22-Jul-08 22-	xxxxxx.0584 09/790284 07-Feb-08 22-	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxx.0692 XXX263 05.Aug.08 22-	
0 0 0 L 0 - 0	US-2 Month Missing 2 Month Missing Parts 22-Jul-08 Parts	22-עוו-108 US-Patent Issue Date Patent Issue Date	US-2 Month Missing Oath/Declaration 4th 22-Jul-08 Parts Reminder	US-2 Month Missing Drawings 4th Reminder 22-Jul-08 Parts	22-Jul-08 US-IDS Filed IDS Filed	US-3 Month Office 2 Weeks to Final Date	(F) Request 22-Jul-08 Examination - 3 YR Request for Exam Due	22-Jul-08 (F) Power of Attorney File Power of Attorney	

Rejection Mailed	US-3 Month Office 22-Jul-08 Action	22-Jul-08	11/130977	xxxxx.6719 11/130977
Patent Issue Date	22-Jul-08 US-Patent Issue Date	22-Jul-08	10/503909	xxxxx.0202
Issue Notification	22-Jul-08 US-Issue Notification	22-Jul-08	10/503909	xxxxx 0202
Annuity Fee Due	22-Jul-08 (F) Annuity Fee Due	23-Jul-08	XXXX616	xxxxxx.3246
Transmittal to Client	22-Jul-08 (F) New Application	09-Feb-08	XXXXXX02.9	xxxxx.1750
Supp. IDS Filed	22-Jul-08 US-Supp. IDS Filed	22-Jul-08	12/016861	xxxxx.0896
Transmittal to Client	ISR/Written Opinion 22-Jul-08 Received	15-Jul-08	XXXXXXXXXXX10	xxxxx.0501
Revi	22-Jul-08 (F) Transmittal to Client Review Correspondence	22-Jul-08	XXXXXXXX786	xxxxxx.2580
3 Month Due Date	US-3 Month Office 22-Jul-08 Action	22-Apr-08	11/435347	xxxxx.2719
Notice of Allowability	22-Jul-08 US-Allowability	22-Jul-08	10/471456	xxxxxx.1076
Issue Notification	22-Jul-08 US-Issue Notification	22-Jul-08	11/627146	xxxxx.0287

EXHIBIT 6

			The second secon	
xxxxx.0425	11/875098	22-Jul-08	22-Jul-08 US-Final Office Action	Final Rejection
xxxxxx.1004	11/620928	22-Jul-08	22-Jul-08 US-Letter to Client Due	Letter to Client Due
xxxxx.1121	12/013215	02-Oct-08	US-Notice of 22-Jul-08 Publication	Letter to Client Due
xxxxx.8475	11/379197	22-Jul-08	US-3 Month Office 22-Jul-08 Action	Rejection Mailed
xxxxx.0253	XXXXXXXX977	22-Jul-08	22-Jul-08 (F) Transmittal to Client Transmittal to Client	Transmittal to Client
xxxxx.0108	10/872030	22-Jul-08	US-Request for Status 22-Jul-08 Filed	Request for Status Filed
xxxxx.1429 1.11/079878	11/079878	28-Mar-08	22-Jul-08 US-Final Office Action	File CON Application/RCE
xxxxx.0761	11/739813	22-Jul-08	22-Jul-08 US-IDS Due	Information Disclosure Strant
xxxxx.1429 111/079878	111/079878	22-Jul-08	US-RCE (Req. Cont'd 22-Jul-08:Exam)	RCE (Req. Contd Exam)
xxxxx.0147	10/938152	07-Feb-08	US-3 Month Office	2 Weeks to Final Date

xxxxx.0117	xxxxxx.0286	xxxxx.0413	xxxxxx.0500	xxxxxx.0212 11/363152	xxxxxx.1462 11/939962	xxxxx.0195	xxxxx.0203	xxxxx.0109 11/311594	xxxxx.1364
11/243712	11/996027	10/856408	XXX/XXXX/XX094	11/363152	11/939962	10/444693	11/152860	11/311594	11/199139
22-Jul-08	22-Jul-08	22-May-08	15-Jul-08	22-Jul-08	22-Jul-08	22-May-08	22-May-08	22-Jan-08	22-Feb-08
22-Jul-08 US-IDS Not Applicable IDS Not Applicable	22-Jul-08 US-Declaration Filed	22-Jul-08 US-Allowance	ISR/Written Opinion 22-Jul-08 Received	22-Jul-08 US-Election/Restriction	22-Jul-08 US-IDS Filed	US-Notice/Non- 22-Jul-08 Compliant Appeal	US-Notice of 22-Jul-08 Abandonment	22-Jul-08 US-Final Office Action	US-3 Month Office 22-Jul-08 Action
IDS Not Applicable	Declaration Filed	Fee Due in 1 Month	Transmittal to Client	Election/Restriction Mailed	IDS Filed	Res. Non-Comp App Brief- 1st ex	Petition to Revive Due	6 Month Final Date	2nd Extension

xxxxxx.0119	xxxxxx.0125	xxxxxx.1987	xxxxxx.0217	xxxxx.2456	xxxxxx.0120	xxxxx.1520	xxxxx.1362	xxxxxx.1308	xxxxx 1308
11/279908	XXXXXX73.9	XXXXXX/XXX595		XXX/XXXX/XXX20	60/981765	09/830899	11/828757	12/115194	12/115194
22-Jul-08	23-Jul-08	22-Jun-07	22-Jul-08	22-Jul-08	22-Oct-07	22-May-08	22-Jul-08	22-May-08	22-May-08
US-3 Month Office 22-Jul-08 Action	22-Jul-08 EARS Annuity Due	22-Jul-08 New PCT Application	22-Jul-08 US-Assignment Filed	ISR/Written Opinion 22-Jul-08 Received	22-Jul-08 9 Mo. Reminders	US-Decision/Appeal 22-Jul-08:Denied	22-Jul-08 US-Supp. IDS Filed	US-2 Month Missing 22-Jul-08 Parts	US-2 Month Missing 22-Jul-08 Parts
Rejection Mailed	EARS Next Annuity Due	Rec'd Filing Postcard	Assignment Filed	ISR/Written Opinion Received	9 mo. U.S. Filing Reminder	Reply Brief Due	Supp. IDS Filed	Verified Statement Due	Oath/Declaration Due

xxxxxx.9013	xxxxx.0713	xxxxx.3629 >	xxxxx.1181 1	xxxxx.1620 1	xxxxx.2494 1	xxxxx.3385 X	xxxxxx.0348 X	xxxxxx.1655 X	xxxxxx.0202 1 11/876546
XXXXXXXX204	11/687158	XXXXXXX36-7	10/701653	10/465481	12/017943	XXX/XXXX/XX568	XXXXXXXXXXX68.£	XXXXXXXXX613	1/876546
23-Jul-08	22-May-08	07-Feb-08	22-Jul-08	22-Jul-08	22-Jan-08	22-Jul-08	05-Aug-08	23-May-08	22-Oct-07
(F) Deadline for 22-Jul-08 Acceptance	22-Jul-08 US-Election/Restriction (1st Extension	22-Jul-08 (F) New Application	22-Jul-08 US-Advisory Action	22-Jul-08 US-Advisory Action	22-Jul-08 Assignment	ISR/Written Opinion 22-Jul-08 Received	22-Jul-08 (F) Response	(F) Official Action - 2 22-Jul-08 months	22-Jul-08 Foreign Filing
Case Accepted	1st Extension	Filing Receipt Received	Advisory Action	Advisory Action	Assignment Follow Up Date	ISR/Written Opinion Received	Response Due	Response/Amendment Filed	9 Mo. Foreign Filing Reminder

xxxxx.0218 XXXX/XX108	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxx.0224 X	xxxxxx.0125 X	xxxxx.1401 10	xxxxx.0170 10/940111	xxxxx.0487 60/957271	xxxxxx.0487 60/957271	xxxx.0487 60	xxxxxx.0224 11/373259	xxxxx.0105 X	xxxxx.2134 XX
XXX/XX108	XXX/XX122	XXXX/XX122	XXXXXX73.9	10/901416)/940111	//957271	1/957271	60/957271	/373259	XXXXX970	XXXX-X973
22-Apr-08	22-Apr-08	22-Apr-08	23-Jul-08	22-Aug-06	22-Jul-08	22-Aug-07	22-Aug-07	22-Aug-07	22-Apr-08	22-Jul-05	29-Feb-08
22-Jul-08 Form ISA/202	22-Jul-08 Form ISA/202	22-Jul-08 Form IB/301	22-Jul-08 EARS Annuity Due	Review for Broad 22-Jul-08-Reissue	US-3 Month Office 22-Jul-08 Action	22-Jul-08 U.S. Filing Due	22-Jul-08 Foreign Filing - Atty.	22-Jul-08 Foreign Filing	22-Jul-08 US-Allowance	22-Jul-08 Request Examination	22-Jul-08 (F) Grant/Issue Fees
Form ISA/202	Form ISA/202	Form IB/301	EARS Next Annuity Due	Review for Broad Reissue	Rejection Mailed	U.S. Filing Due	Foreign Filing Due - Atty	Foreign Filing Due - LA	Notice/Publ. Fee Due	Request Examination	Received Letters Patent

xxxxxx.1142 xxxxxx.12851 xxxxxx.0108 xxxxxx.0108	xxxxxx.1142 XXXXXXXXXX18 xxxxxx.1285 F XXXXXXXX31.8 xxxxxx.10108 XXXXXXXX29-2 xxxxxx.01112 XXXXXXXXXX224	22-Jul-08 28-Jan-03 22-Jul-05 22-Jul-05	22-Jul-08 (F) Notice of Allowance Case Allowed (F) Change of Confirm Chan 22-Jul-08 Ownership Recorded 22-Jul-08 Request Examination Request Examination Request Examination Request Examination Request Examination Request	Case Allowed Confirm Change is Recorded Request Examination
	XXXXXXXX224 XXXXXXXX007	22-Jul-05 22-Jul-05	22-Jul-08 Request Examination 22-Jul-08 Deferred Exam	Request Exami Deferred Exam
xxxxx.0113	10/816512	22-Jul-08	22-Jul-08 US-Pre-Appeal Brief	Pre-Appeal Brief Req. Review
xxxxx.0254	XXXX/XXX989	22-Jul-08	22-Jul-08 (F) Transmittal to Client :Transmittal to Client	Transmittal to Cli
xxxxx.0676	29/277711	29-Jul-08	22-Jul-08 US-Patent Issue Date	Patent Issue Date 1st Reminder
xxxxxx.0146	10/911464	29-Jul-08	22-Jul-08 US-Patent Issue Date	Patent Issue Date 1st Reminder
xxxxx.9002	XXXXXXXXXX121	22-Jul-08	22-Jul-08 Abandoned	Abandoned
xxxxxx.9037	XXXXXX39.5	22-Jul-08	22-Jul-08 Abandoned	Abandoned

xxxxxxx.0333 90/007910 22-Jul-08 22-Jul-08 US-Supp. IDS Filed Supp. IDS Filed xxxxxxx.0468 90/008173 22-Jul-08 22-Jul-08 22-Jul-08 US-Supp. IDS Filed Supp. IDS Filed xxxxxxx.0561 90/008928 22-Jul-08 22-Jul-08 US-Supp. IDS Filed Supp. IDS Filed xxxxxxxx.0141 10/896223 29-Jul-08 22-Jul-08 US-Supp. IDS Filed Patient Issue IP xxxxxxxx.0115 XX/XXXXX187 22-Jul-08 22-Jul-08 by BB BB xxxxxxxx.0323 90/007903 22-Jul-08 22-Jul-08 Jul-08 US-IDS Not Applicable IDS Not Applicable xxxxxxxx.0332 90/007903 22-Jul-08 22-Jul-08 US-Issue Notification Issue Notificat xxxxxxx.0332 90/007903 22-Jul-08 22-Jul-08 US-Issue Notification Issue Notificat xxxxxxxx.3307 XXXXXXXXS06 22-Jul-08 22-Jul-08 EXT) 00/10/24 Action	Assignment Filed Follow	US-2 Month Missing 22-Jul-08 Parts	20-Jun-07	11/788093	xxxxx 3297 11/788093
500007910 22-Jul-08 22-Jul-08 US-Supp IDS Filed 900008173 22-Jul-08 22-Jul-08 US-Supp IDS Filed 900008028 22-Jul-08 22-Jul-08 US-Supp IDS Filed 10/866223 29-Jul-08 22-Jul-08 US-Patent Issue Date Maint/Annully not paid Maint/Annully not paid XXXXXX187 22-Jul-08 22-Jul-08 by BB 10/571502 22-Jul-08 22-Jul-08 Adon 11/1924970 22-Jul-08 22-Jul-08 US-IDS Not Applicable 90/007903 22-Jul-08 22-Jul-08 US-Issue Notification 10/2588510 22-Jul-08 22-Jul-08 US-issue Notification	Official Action Issued	(F) Offical Action (NON- 22-Jul-08 EXT)	22-Dec-08	XXXXXXX506	xxxxxx.3307
90/00/910 22-Jul-08 22-Jul-08 US-Supp IDS Filed 90/00/9173 22-Jul-08 22-Jul-08 US-Supp IDS Filed 90/00/9173 22-Jul-08 22-Jul-08 US-Supp IDS Filed 90/00/90/923 29-Jul-08 22-Jul-08 US-Patent Issue Date 10/896223 29-Jul-08 22-Jul-08 US-Patent Issue Date 22-Jul-08 US-Buttonnully not paid 22-Jul-08 US-Supp IDS Filed 90/00/7903 22-Jul-08 22-Jul-08 US-Supp IDS Filed 90/00/7903 22-Jul-08 22-Jul-08 US-Supp IDS Filed 90/00/7903 22-Jul-08 22-Jul-08 US-Supp IDS Filed	Issue Notification	22-Jul-08 US-Issue Notification	22-Jul-08	10/258510	xxxxxx.2148
90/007910 22-Jul-08 22-Jul-08 US-Supp. IDS Filed 90/008173 22-Jul-08 22-Jul-08 US-Supp. IDS Filed 90/008928 22-Jul-08 22-Jul-08 US-Supp. IDS Filed 90/008928 22-Jul-08 22-Jul-08 US-Patent Issue Date 10/86223 29-Jul-08 22-Jul-08 US-Patent Issue Date XXXXXXX187 22-Jul-08 22-Jul-08 by BB US-DS Not Applicable 10/571602 22-Apr-08 22-Jul-08 Jackton US-IDS Not Applicable 22-Jul-08 US-IDS Not Applicable	Supp. IDS Filed	22-Jul-08 US-Supp. IDS Filed	22-Jul-08	90/007903	xxxxxx.0332
90/008910 22-Jul-08 22-Jul-08 US-Supp IDS Filed 90/008173 22-Jul-08 22-Jul-08 US-Supp IDS Filed 90/008928 22-Jul-08 22-Jul-08 US-Supp IDS Filed 90/008928 22-Jul-08 22-Jul-08 US-Patent Issue Date Waln/JAnnulty not paid XXXXXXX187 22-Jul-08 22-Jul-08 by BB Waln/JAnnulty not paid 22-Jul-08 BB 22-Jul-08 Addon	IDS Not Applicable		22-Jul-08	11/924970	xxxxx.0185
90/007910 22-Jul-08 22-Jul-08 US-Supp. IDS Filed 90/008173 22-Jul-08 22-Jul-08 US-Supp. IDS Filed 90/008928 22-Jul-08 22-Jul-08 US-Supp. IDS Filed 10/886223 29-Jul-08 22-Jul-08 US-Patent Issue Date XXXXXXX187 22-Jul-08 22-Jul-08 by BB	3 Month Due Date	US-3 Month Office 22-Jul-08 Action	22-Apr-08	10/571502	xxxxx.1012
90/008910 22-Jul-08 22-Jul-08 US-Supp IDS Filed 90/008173 22-Jul-08 22-Jul-08 US-Supp IDS Filed 90/008928 22-Jul-08 22-Jul-08 US-Supp IDS Filed 10/886223 29-Jul-08 22-Jul-08 US-Patent Issue Date	Maint/Annuity not paid by BB	Maint/Annuity not paid 22-Jul-08 by BB	22-Jul-08	XX/XXXX187	xxxxx.0115
90/007910 22-Jul-08 22-Jul-08 US-Supp IDS Filed 90/008173 22-Jul-08 22-Jul-08 US-Supp IDS Filed 90/008928 22-Jul-08 22-Jul-08 US-Supp IDS Filed	Patent Issue Date 1st Reminder		29-Jul-08	10/896223	xxxxxx.0141
90/007910 22-Jul-08 22-Jul-08 US-Supp IDS Filed 90/008173 22-Jul-08 22-Jul-08 US-Supp IDS Filed	Supp. IDS Filed	22-Jul-08 US-Supp. IDS Filed	22-Jul-08	90/008928	xxxxxx.0561
22-Jul-08 22-Jul-08 US-Supp. IDS Filed	Supp. IDS Filed		22-Jul-08	90/008173	xxxxx.0468
	Supp. IDS Filed		22-Jul-08	90/007910	xxxxx.0333

xxxxx.2673	xxxxxx.0124 1 11/220111	xxxxx.1238	xxxxx.0201	xxxxx.0201	xxxxxx 8203	xxxxx 0549	xxxxx.0114	xxxxx.1235	xxxxxx.0424
XXXX-XX293	11/220111	12/018005	10/502991	10/502991	11/270320	XXXXXXXXXXXX15	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	12/018021	11/242659
22-Jul-03	22-Apr-08	22-Jan-08	22-Apr-08	22-Apr-08	22-Jul-08	22-Jul-08	22-Jul-08	22-Jan-08	25-Oct-07
22-Jul-08 Deferred Exam	22-Jul-08 US-Final Office Action	22-Jul-08 Foreign Filing	US-3 Month Office 22-Jul-08 Action	US-3 Month Office 22-Jui-08 Action	US-Formal Drawings 22-Jul-08 Filed	ISR/Written Opinion 22-Jul-08 Received	22-Jul-08 Divisional Application	22-Jul-08 Foreign Filing	22-Jul-08 US-Allowance
Deferred Exam	3 Month Notice of Appeal	6 Mo. Foreign Filing Reminder	Drawings & Spec. Due	3 Month Due Date	Formal Drawings Filed	ISR/Written Opinion Received	File Divisional Application	6 Mo. Foreign Filing Reminder	Issue Fee Follow Up

			TABO North Assuits Dis
xxxxxx.1352 :11/100479	22-Apr-08	22-Jul-08 US-Allowance	Issue Fee Due
_	22-Apr-08	22-Jul-08 Assignment	Assignment
xxxxx. 1834 1 12/107531	22-Apr-08	Declaration/power of 22-Jul-08 attorney	Declaration/power of attorney
xxxxxx.1834 1:12/107531	22-Apr-08	22-Jul-08 Formal Drawings Due	Formal Drawings Due
xxxxx.1352 11/100479	22-Apr-08	22-Jul-08 US-Allowance	Notice/Publ. Fee Due
xxxxx.0224 11/373259	22-Apr-08	22-Jul-08 US-Allowance	Issue Fee Due
xxxxxx.0739 11/958186	22-Apr-08	US-Filing Receipt 22-Jul-08 Received	Filing Receipt Received
xxxxx729	08-Apr-08	22-Jul-08 (F) Notice of Allowance Transmittal to Client	Transmittal to Client
xxxxx.2280 10/333030	22-May-08	US-3 Month Office 22-Jul-08 Action	1 Month to Due Date
xxxxxx.0646 11/625601	22-Jan-07	22-Jul-08 Notice of Publication	Notice of Publication

×

EXHIBIT 6

xxxxx.0823 12/018184 22-Jan-08 22-Jul-08 Formal Drawings Due Up Date	22-Jul-08 (F) Official Action O 22-0ct-08 22-Jul-08 (F) Official Action O 22-Jul-08 (F) Offici	(F) Decision/No D. (F) Decision/	xxxxxx.0139 08/274105 23-Jan-08 22-Jul-08 Tax11.5	Chapter II Nat/Reg C2-Jul-08 Filling CI	
	ction Official Action Issued	No Decision/No Registration in	LAST DAY OF GRACE	at/Reg Chapter II Nat/Reg Filing	

xxxxxx 0138 1117251137 Z2-Jul-08 Z2-Jul-08 US-Advisory Action Advisory Action xxxxxx 06380 XXXXXXXXXXXX49 Z2-Feb-06 Z2-Jul-08 Filing Chapter II Nat/Reg Chapter	Notice/Publ. Fee Due	22-Jul-08 US-Allowance	22-Apr-08	11/217142	xxxxxx.1513
22-Jul-08 22-Jul-08 US-Advisory Action Chapter II Nat/Reg 22-Jul-08 22-Jul-08 Filing US-3 Month Office 22-Jul-08 22-Jul-08 Action US-3 Month Office 22-Jul-08 22-Jul-08 Action US-3 Month Office 22-Jul-08 22-Jul-08 US-Allowance 22-Jul-08 22-Jul-08 US-Allowability 22-Jul-08 22-Jul-08 US-Issue Notification 22-Jul-08 22-Jul-08 EP-National Validation 23-Apr-08 22-Jul-08 EP-National Validation	Issue Fee Due	22-Jul-08 US-Allowance	22-Apr-08	11/217142	xxxxx.1513
22-Jul-08 22-Jul-08 US-Advisory Action Chapter II Nat/Reg CAXX49 22-Feb-06 22-Jul-08 Filing US-3 Month Office 22-Jul-08 22-Jul-08 Action US-3 Month Office 22-Jul-08 22-Jul-08 Action US-3 Month Office 22-Jul-08 22-Jul-08 US-Allowability 22-Jul-08 US-Allowability 22-Jul-08 US-Issue Notification 22-Jul-08 22-Jul-08 EP-National Validation	National Validation Completed	22-Jul-08: EP-National Validation	23-Apr-08	XXXXXX24.2	xxxxx 1226
22-Jul-08 22-Jul-08 US-Advisory Action Chapter II Nat/Reg (XXXX49 22-Feb-06 22-Jul-08 Filling US-3 Month Office 22-Jul-08 22-Jul-08 Action US-3 Month Office 22-Jul-08 22-Jul-08 Action US-Allowance 22-Jul-08 22-Jul-08 US-Allowance 22-Jul-08 22-Jul-08 US-Allowability 22-Jul-08 22-Jul-08 US-Jallowability 22-Jul-08 22-Jul-08 US-Jallowability 22-Jul-08 22-Jul-08 US-Jallowability	National Validation Completed		23-Apr-08	XXXXXX24.2	xxxxx 1224
22-Jul-08 22-Jul-08 US-Advisory Action Chapter II Nat/Reg 22-Feb-06 22-Jul-08 Filing US-3 Month Office 22-Jul-08 22-Jul-08 Action US-3 Month Office 22-Jul-08 22-Jul-08 Action US-3 Month Office 22-Jul-08 22-Jul-08 US-Allowability	Issue Notification	22-Jul-08 US-Issue Notification	22-Jul-08	10/876919	xxxxxx.0855
22-Jul-08 22-Jul-08 US-Advisory Action Chapter II Nat/Reg (XXXX49 22-Feb-06 22-Jul-08 Filing US-3 Month Office 22-Jul-08 22-Jul-08 Action US-3 Month Office 22-Jul-08 22-Jul-08 US-4 Month Office 22-Jul-08 US-4 Month	Notice of Allowability	22-Jul-08:US-Allowability	22-Jul-08	11/775046	xxxxxx.0300
22-Jul-08 22-Jul-08 US-Advisory Action Chapter II Nat/Reg (XXXX49 22-Feb-06 22-Jul-08 Filing US-3 Month Office 22-Jul-08 22-Jul-08 Action US-3 Month Office 22-Jul-08 Action	Notice of Allowance	22-Jul-08 US-Allowance	22-Jul-08	11/775046	xxxxx.0300
22-Jul-08 22-Jul-08 US-Advisory Action Chapter II Nat/Reg (XXXX49 22-Feb-06 22-Jul-08 Filing US-3 Month Office 22-Jul-08 Action	Rejection Mailed	Month Office	22-Jul-08	11/110199	xxxxxx.0109 1
22-Jul-08 22-Jul-08 US-Advisory Action Chapter II Nat/Reg (XXX49 22-Feb-06 22-Jul-08 Filing	Rejection Malled	US-3 Month Office 22-Jul-08 Action	22-Jul-08	11/075149	xxxxx.1433 1
22_Jul-08. 22_Jul-08 US-Advisory Action	Chapter II Nat/Reg Filing	Chapter II Nat/Reg 22-Jul-08 Filing	22-Feb-06	XXX/XXXX/XXX49	xxxxx.0930
	Advisory Action		22-Jul-08	11/251137	xxxxxx.0139 1

23-Apr-08 22-Jul-08 EP-National Validation Completed 23-Apr-08 22-Jul-08 EP-National Validation Completed 23-Apr-08 22-Jul-08 EP-National Validation Completed 22-Aug-07 22-Aug-08 BB BB BB BB 22-Aug-08 22-Aug-08 BA Month Office 22-May-08 22-Aug-08 US-3 Month Office 3 Month Due Date 22-Feb-07 22-Aug-08 US-1DS Filed Date	000000X.1225 XXXXXXX10.2 000000X.0216 F XXXXXXX10.2 000000X.0216 F XXXXXXX28.3 000000X.0216 F XXXXXXX28.3	xxxxxx.1225 xxxxxxx.1514 xxxxxxx.0216 xxxxxxx.02669
07-Feb-08 22-Jui-08 US-Final Office Action 2 Weeks to Final Date	19 11/536154	xxxxxx.0519
23-Apr-08 22-Jul-08 EP-National Validation Completed	22 XXXXXXX24.2	xxxxx.1222

xxxx 1749	XXXX/XX614	22-Jan-07	Publication with Form 22-Aug-08 IB/311	Publication with Form IB/311
XXXXX 0394		23-Aug-08	22-Aug-08 (F) Response	Response Due Final
xxxx.0395	10/972642	14-Aug-08	US-RCE (Req. Cont'd 22-Aug-08 Exam)	Letter to Client Due
xxxx.0977	XXXXX71.7	22-Feb-06	22-Aug-08 Regional Stage Entry	Regional Stage Entry in EP
oxxx.0145	XXXXXXX09-0	12-Sep-08	22-Aug-08 (F) Grant/Issue Fees	Transmittal to Client
oxxxx.2609	XXXXXX45.7	04-Aug-08	(F) Official Action - 4 22-Aug-08 months	Review Correspondence
xxxx.0152 1 10/453769	10/453769	22-Aug-08	US-Request for 22-Aug-08 Consideration	Request for Consideration
oxxxx.0139 1.11/251137	111/251137	22-Apr-08	22-Aug-08 US-Final Office Action	1st Extension
00000x.1364 11/199139	11/199139	22-Feb-08	US-3 Month Office 22-Aug-08 Action	6 Month Final

xxxxxx.0185	xxxxx.0474	xxxxx.0254	xxxxx.0998	xxxxx.0431	xxxxxx.3396	xxxxx.0167	xxxxx.0163	xxxxxx.0125 >	xxxxx.1436 >
XX/XXX421	10/926460	11/277829	12/053570	10/868562	60/970812	11/231519	10/399243	XXXX/XXX549	XXXXXXX120
23-Aug-08	28-Jan-08	07-Mar-08	22-Mar-08	08-Apr-08	07-Sep-07	22-Apr-08	22-Feb-08	22-Dec-06	22-Nov-08
22-Aug-08 EARS Annuity Due	US-3 Month Office 22-Aug-08 Action	US-3 Month Office 22-Aug-08 Action	22-Aug-08 Filing Receipt Rec'd	22-Aug-08 US-Final Office Action	22-Aug-08 Foreign Filing	US-RCE (Req. Contd 22-Aug-08 Exam)	US-3 Month Office 22-Aug-08 Action	22-Aug-08 Chapter I Nat/Reg Filing Chapter I Nat/Reg Filing	(F) Deadline for 22-Aug-08 Acceptance
EARS Next Annuity Due	US-4 Mo. Response Status Check	2 Weeks to Final Date	Filing Receipt Rec'd	Letter to Client Due	Foreign Filing Due - LA	Appln Status Check/No Term Ext	6 Month Final	Chapter I Nat/Reg Filing	Due Date for Acceptance

xxxxx.0461	xxxxx.0682	xxxxx.2457)	xxxxx.1080	xxxxxx.1080 1	xxxxx.0643	xxxxx.0643	xxxxx,1247 10/302976	xxxxx.0187 10/392522
11/467056	11/677318	XXX/XXXX/XXXX20	12/125813	12/125813	12/035612	12/035612	0/302976	0/392522
22-Aug-08	22-Aug-08	22-Jul-08	22-May-08	22-May-08	22-Feb-08	22-Feb-08	22-Aug-08	22-Aug-08
US-3 Month Office 22-Aug-08 Action	US-3 Month Office 22-Aug-08, Action	PCT Article 19 22-Aug-08 Amendment	Information Disclosure 22-Aug-08 Strnnt	22-Aug-08 Formal Drawings Due	22-Aug-08 Foreign Filing	22-Aug-08 Assignment	22-Aug-08 EARS Annuity Due	22-Aug-08 EARS Annuity Due
Rejection Mailed	Rejection Mailed	Article 19 Amendment Due	Information Disclosure Strnnt	Formal Drawings Due	6 Mo. Foreign Filing Reminder	Assignment Follow Up Date	EARS Next Annuity Due	EARS Next Annuity Due

IDS Filed	22-Aug-08 US-IDS Filed	22-Aug-08	11/734517	xxxxx.1581
Response/Amendment Final	22-Aug-08 (F) Official Action	23-Jul-08	XX/X/XXXX/XXX8;	xxxxx.0119
File Application	22-Aug-08 US-File Application	22-Aug-08	12/196735	xxxxxx.1096 12/196735
4th Extension	US-2 Mo Correct. 22-Aug-08 Appln. Papers	22-Feb-08	12/027427	xxxxx.0949
Filing Receipt Received	22-Aug-08 (F) New Application	15-Oct-08	XXXXXXX81-8	хоххох.3533
Record in Hong Kong	22-Aug-08 Record in Hong Kong	23-Feb-08,	XXXXXX82.7	xxxxx.2499
Rejection Mailed	US-3 Month Office 22-Aug-08 Action	22-Aug-08	12/049400	xxxxx.1973
6 Month Final Date	22-Aug-08 US-Final Office Action	22-Feb-08	11/042922	xxxxx.2689
6 mo. U.S. Filing Reminder	22-Aug-08 6 Mo. Reminders	22-Feb-08	61/030715	xxxxx.0104
6 mo. Foreign Filing Reminder	22-Aug-08 6 Mo. Reminders	22-Feb-08	61/030715	xxxxx 0104
Filing Receipt Rec'd	22-Aug-08 Filing Receipt Rec'd	22-Mar-08	12/053567	xxxxx.0989

Certif./Correction Not Filed	US-Certif to Correct Not 22-Aug-08 Filed	22-Aug-08	10/871405	xxxxx.0512
Rejection Mailed	US-3 Month Office 22-Aug-08 Action	22-Aug-08	11/715033	xxxxx.2407
Formal Drawings Final	22-Aug-08: US-Final Office Action	22-Feb-08	11/536681	xxxxx.0417
6 Month Final Date	22-Aug-08 US-Final Office Action	22-Feb-08	11/536681	xxxxx.0417
File Application	22-Aug-08 US-File Application	22-Aug-08	12/253844	xxxxx.3789
File Application	22-Aug-08 US-File Application	22-Aug-08	12/199437	xxxxxx.3787
File Application	22-Aug-08 US-File Application	22-Aug-08	12/247513	xxxxxx.3788
Pay Grant/Issue Fees	22-Aug-08 (F) Grant/Issue Fees	05-Sep-08	XXXXXXXXXXXX	xxxxxx.3480
Filing Receipt Follow Up Date	22-Aug-08 Filing Receipt Rec'd	07-Feb-08	xxxxx.0949 :12/027427	xxxxx.0949
Information Dis Follow Up Date	22-Aug-08 US-IDS Filed	22-Feb-07	11/389732	xxxxxx.0188
Filing Receipt Received	22-Aug-08 (F) New Application	22-Feb-08	XXXXXXX85-9	xxxxx.3473
		1		

US-Decision/No Foreign Decision/No Foreign Filing
US-2 Month Office Action
US-3 Month Office Action
US-3 Month Office Action
US-Nonpublication Req. Nonpublication Request
US-Draft Appln/Amdt.to Recvd. Inventors Client Comments
22-Aug-08 US-IDS Filed
US-RCE (Req. Cont'd Exam)
US-3 Month Office Action

]	
Į		
	7	

xxxxxx.0184 XXX/XXXX/XXXX95	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxx.0392 10/725901	xxxxxxx05.8	xxxxx.2738 111/182264	xxxxx.0245 :11/189329	xxxxxx.0324 12/089844	xxxxx.0294 11/403842	xxxxx.1791 12/206122 xxxxxx.0109 10/387599	xxxxxx.1791 12/206122
/XXX95 08-Jul-08	08-Jul-08	22-Aug-08	5.8 23-Jun-08	22-Aug-08	22-Aug-08	22-Aug-08	22-Aug-08	15-Jan-07 22-Feb-05	15-Jan-07
ISR/Written Opinion 22-Aug-08 Received	ISR/Written Opinion 22-Aug-08 Received	US-Certif to Correct Not 22-Aug-08 Filed	22-Aug-08 EP - Rule 70(2) - 2 Mo.	US-Request for 22-Aug-08 Consideration	:US-3 Month Office 22-Aug-08 Action	22-Aug-08 US-IDS Filed	22-Aug-08 US-Allowance	22-Aug-08 US-File Application 22-Aug-08 Tax 3.5	22-Aug-08 US-File Application
Demand for Examination Due	Argument/Art. 34 Amend. Due	Certif./Correction Not Filed	Proceed with EP App. Final	Request for Consideration	Rejection Mailed	IDS Filed	Notice of Allowance	Formals Sent to Client Tax 3.5	Draft Sent to Client

xxxxx.1288 10/766934	xxxxxx.1288 10	xxxxxx.2195 10	xxxxxx.2195 10	xxxxxx.3761 X	xxxxxx.0539	xxxxxx.6973 10	xxxxxx.1288 10	xxxxx.2063 11	xxxxx.2377 11	xxxxx.0779 10/323191
0/766934	10/766934	10/352343	10/352343	XXXX387		10/888629	10/766934	11/364706	11/673720)/323191
22-May-08	22-May-08	22-May-08	22-May-08	22-Apr-08	23-Aug-08	22-Aug-08	22-Aug-08	22-Aug-08	22-Aug-08	22-Aug-08
22-Aug-08 US-Final Office Action	22-Aug-08 US-Final Office Action	22-Aug-08 US-Allowance	22-Aug-08 US-Allowance	22-Aug-08 (F) New Application	22-Aug-08:(F) New Application	22-Aug-08 US-Advisory Action	US-RCE (Req. Cont'd 22-Aug-08 Exam)	US-3 Month Office 22-Aug-08 Action	22-Aug-08 US-Allowance	22-Aug-08 US-Advisory Action
Formal Drawings Due	3 Month Notice of Appeal	Notice/Publ. Fee Due	Issue Fee Due	Formal Documents to Client	National Stage Entered	Advisory Action	RCE (Req. Cont'd Exam)	Rejection Mailed	Notice of Allowance	Advisory Action

Response Due	22-Aug-08 (F) Response	06-Sep-08	XXXXXXXXX008	xxxxx.0676
Confirmation of Instructions	22-Aug-08 (F) Grant/Issue Fees	22-Aug-08	XXXX684	xxxxxxx.1357
2 Month Missing Parts	US-2 Month Missing 22-Aug-08 Parts	22-Aug-08	12/033204	xxxxx.0111
past due, 7.5 MF Tax 3.5	22-Aug-08 IMPORTANT 22-Aug-08 Tax 3.5	22-Jan-01 22-Feb-05	09/467263 10/849346	xxxxxx.0565 xxxxxx.0134
Notice of Publication	22-Aug-08 Notice of Publication	22-Feb-07	11/677908	xxxxx.0672
Information Dis Follow Up Date	Information Disclosure 22-Aug-08 Stmnt	22-Feb-07	11/677872	xxxxx.2108 11/677872
Notice of Publication	22-Aug-08 Notice of Publication	22-Feb-07	11/677872	xxxxx.2108 11/677872
Pre-Appeal Brief Decision	22-Aug-08 US-Pre-Appeal Brief	08-Jul-08	11/074502	xxxxx.7624
RCE (Req. Cont'd Exam)	US-RCE (Req. Contd 22-Aug-08 Exam)	22-Aug-08	11/420618	xxxxx.0353
Deferred Exam	22-Aug-08 Deferred Exam	22-Aug-05	XXXXXXXXX007	xxxxxx.0512

	EXHIBIT 6			
Draft Sent to Inventors	US-3 Month Office 22-Aug-08 Action	27-May-08	xxxxx.0628 11/147093	xxxxx.0628
Information Dis Follow Up Date	Information Disclosure 22-Aug-08 Stmnt	18-Sep-06	xxxxxx.1082 1.11/532781	xxxxxx.1082
Foreign Filing Due - LA	22-Aug-08 Foreign Filing	07-Sep-07	2 60/970856	xxxxx.0312
Chapter II Nat/Reg Filing	Chapter II Nat/Reg 22-Aug-08 Filing	23-Feb-06	O XXXX/XX038	xxxxx.0520
IDS Filed	22-Aug-08 US-IDS Filed	22-Aug-08	xxxxxx.1008 11/533062	xxxxxx.1008
IDS Filed	22-Aug-08 US-IDS Filed	22-Aug-08	12/191138	xxxxxx.0559
Proceed with EP App. Final	22-Aug-08 EP - Rule 70(2) - 2 Mo.	23-Jun-08.	3 XXXXXXX05.8	xxxxx.0123
Filing Receipt Received	22-Aug-08 (F) New Application	07-Mar-08) XXXXXXXXXXX05.5	xxxxxx.0379
Article 19 Amendment Due	PCT Article 19 22-Aug-08 Amendment	22-Jul-08	XXX/XXXX/XXXX15	xxxxxx.0549
Oath/Declaration Final Date	US-2 Month Missing 22-Aug-08 Parts	22-Jan-08	11/958186	xxxxxx.0739
Drawings Final Date	US-2 Month Missing 22-Aug-08 Parts	22-Jan-08	xxxxxx.0739 11/958186	xxxxxx.0739

Letter to Client Due	US-3 Month Office 22-Aug-08 Action	14-May-08	11/805359	xxxxxx.1250
Assignment Filed	22-Aug-08 US-Assignment Filed	22-Aug-08	08/747268	xxxxxx.7013 08/747268
PCT Form ISA/202 Folic Up	PCT Form ISA/202 22-Aug-08 Follow-Up	22-Aug-08	XXXX/XXX803	xxxxxx.0103
PCT Forms RO/102 & RO/105	PCT RO/102 & RO/105 22-Aug-08 Follow-Up	22-Aug-08	XXXX/XXX803	xxxxxx.0103
Published for Opposition	(F) Published for Opp. 3 22-Aug-08 Mos.	22-Aug-08	XXXXXXXXXX664	xxxxxx.0380
Abandon Patent	22-Aug-08 US-Abandon Patent	22-Aug-08	10/368898	xxxxxx.0104 :10/368898
Pre-Appeal Brief Req. Review	22-Aug-08 US-Pre-Appeal Brief	22-Aug-08	11/134865	xxxxx.6591 1 11/134865
Record in Hong Kong	22-Aug-08 Record in Hong Kong	23-Feb-08	XXXXXX82.7	xxxxx.2499
Response Due	22-Aug-08 (F) Response	05-Sep-08	XXXXXXXXX008	xxxxxx.0350
Rejection Mailed	US-3 Month Office 22-Aug-08 Action	22-Aug-08	11/275287	xxxxx.0125

Election/Restriction Maile	22-Aug-08 US-Election/Restriction Election/Restriction Maile	22-Aug-08	22-Aug-08	11/775014	xxxxxx.0112
Issue Fee Follow Up	22-Aug-08 US-Allowance	22-Aug-08	10-Dec-07	11/173780	xxxxxx.0120
3 Month Due Date	US-3 Month Office 8 Action	US-3 I 22-Aug-08 Action	22-May-08	10/333030	xxxxx.2280 10/333030
Response Due Final	22-Aug-08 (F) Response	22-Aug-08	23-Aug-08		xxxxx.0118
Voluntary Amendment Du	(F) Voluntary 22-Aug-08 Amendment	22-Aug-08	23-Aug-08	XXXX/XX038	xxxxx.0520
Appln Status Check (14 Mo.)	n Status Check (14	22-Aug-08 Mo.)	22-Jun-07	11/766841	xxxxxx.0704 11/766841
Letter to Client Due	22-Aug-08 US-Application Filed	22-Aug-08	14-Aug-08	12/191675	xxxxxx.0105
Res. Non-Comp App Briel 2nd ex	US-Notice/Non- 22-Aug-08 Compliant Appeal	22-Aug-08	22-May-08	10/444693	xxxxxx.0195
Letter to Client Due	aft Appln/Amdt to	US-Dr 22-Aug-08 Client	08-Jun-08	12/191529	xxxxx.1520

xxxxx.2456	XXX/XXXXXXXX20	22-Jul-08	PCT Article 19 22-Aug-08 Amendment	Article 19 Amendment Due
xxxxx.1544	XXXXX44.0	23-Apr-08	(F) Official Action - 4 22-Aug-08 months	Response/Amendment - Ext Filed
xxxxx.0195	11/620927	22-May-08	22-Aug-08 US-Review Foreign Art	Review Foreign Art (3 months)
xxxxx.2071	11/473955	22-May-08	22-Aug-08 US-Allowance	Issue Fee Due
xxxxx.2071	11/473955	22-May-08	22-Aug-08 US-Allowance	Notice/Publ. Fee Due
xxxxxx.0362	12/194908	22-Aug-08	22-Aug-08 US-File Application	File Application
xxxxx.0447	XXXXXX21.8	23-Aug-04	22-Aug-08 (F) Annuity Fee Due	Annuity Fee Due
xxxxx.1154 11/624438	11/624438	22-Aug-08	:US-3 Month Office 22-Aug-08 Action	Rejection Mailed
xxxxx.3385	XXX/XXXX/XX568	22 - Jul-08	PCT Article 19 22-Aug-08 Amendment	Article 19 Amendment Due
xxxxx.1369	11/235096	22-Feb-07	22-Aug-08 US-IDS Filed	Information Dis Follow Up Date

xxxxxx.0205	xxxxxx.2096 XX	xxxxx.2095 XX	xxxxxx.0143 11/	xxxxxx.0380 XX	xxxxxx.0228 XX	xxxxx.0577 :11/	xxxxxx.0558 12/	xxxxxx.0487 .60/9	xxxxx.0417 :11/6	xxxxxx.0583 XX
,	XXXX105	XXXXX37.0	11/276272	XXXX-XXX164	XXXX/XX987	11/478037	12/191075	60/957271	11/536681	XXXXXX62.9
22-Aug-08	23-Aug-08	23-Aug-08	12-Jun-08	07-Mar-08	11-Aug-08	14-May-08	22-Aug-08	22-Aug-07	22-Aug-07	23-Aug-06
22-Aug-08 US-IDS Filed	22-Aug-08 EARS Annuity Due	22-Aug-08 EARS Annuity Due	US-3 Month Office 22-Aug-08 Action	22-Aug-08 (F) New Application	ISR/Written Opinion 22-Aug-08 Received	US-3 Month Office 22-Aug-08 Action	22-Aug-08 US-IDS Filed	22-Aug-08 U.S. Filing Due	US-1 Month Office 22-Aug-08 Action	22-Aug-08:(F) Annuity Fee Due
IDS Filed	EARS Next Annuity Due	EARS Next Annuity Due	Check for client instructions	Filing Receipt Received	Transmittal to Client	Letter to Client Due	IDS Filed	U.S. Filing Due	Review for Generic Claim	Annuity Fee Due

Correct Defects in Request Due	22-Aug-08 PCT Form RO/106	80-lul-80	XXX/XXXX/XXX33	xxxxxx.1150
Assoc. Req. Designations	22-Aug-08 (F) New Application	18-Aug-08	XXXXXX68.9	xxxxxx.0259
2 Month Missing Parts	US-2 Month Missing 22-Aug-08 Parts	22-Aug-08	12/184628	xxxxx.0144 1.12/184628
File Priority Document	22-Aug-08 (F) Priority Document	05-Sep-08	XXXXXXXXX33.3	xxxxxx.3691
Advisory Action	22-Aug-08 US-Advisory Action	22-Aug-08	10/492692	xxxxxx.1106
US-Nonpublication Req. Nonpublication Request	US-Nonpublication Req 22-Aug-08 Filed	22-Aug-08	12/196917	xxxxxx.0103
US-4 Mo. Response Status Check Tax 3.5	US-3 Month Office 22-Aug-08 Action 22-Aug-08 Tax 3.5	22-Jan-08 22-Feb-05	11/539464 10/665553	xxxxxx.0112 xxxxxx.0102
Filing Receipt Received	22-Aug-08: (F) New Application	16-Apr-08	XXXXXX43.3	xxxxxx.1763

Issue Fee Due	22-Aug-08 US-Allowance	22-May-08	11/562722	xxxxxx.0783
Comments/Allowance	22-Aug-08 US-Allowability	22-May-08	11/562722	xxxxxx.0783
Fee Address Form Due	US-Fee Address Form 22-Aug-08 Due 22-Aug-08 Tax 3.5	22-Aug-08 22-Feb-05	11/473955 09/420223	xxxxxx.8250
1st Extension	US-3 Month Office 22-Aug-08 Action	22-Apr-08	10/571502	xxxxx.1012
Notice of Publication	22-Aug-08 Notice of Publication	22-Feb-07	11/677981	xxxxx.0427 ·11/677981
Response/Amendment Final w/ext	22-Aug-08 (F) Official Action	23-Jun-08	XXXXX998	xxxxxx.3530
Assignment Recorded A	US-Assignment 22-Aug-08 Recorded A	22-Aug-08	12/141281	xxxxxx.3353
Final Rejection	22-Aug-08 US-Final Office Action	22-Aug-08	11/068144	xxxxxx.0106
Nonpublication Request Filed	US-Nonpublication Req. Nonpublication Request 22-Aug-08 Filed	22-Aug-08	12/196981	xxxxx.0104

xxxxxx.1777	xxxxx 1425	xxxxx.1425 11/862337	xxxxxx.0101 1.11/565842	xxxxx.0147	xxxxxx.0446	xxxxxx.0115 1	xxxxx.0668 1	xxxxxx.0486 _1 xxxxxx.0228 =1	xxxxxx.0111 X	xxxxxx.0783 1	
11/046277	11/862337	11/862337	11/565842	10/988427	11/228621	12/116647	11/109550	10/950072 10/280803	XXXX249	11/562722	
22-Apr-08	22-Aug-08	22-Aug-08	22-Aug-08	22-Aug-08	22-Aug-08	22-Aug-08	22-Aug-08	22-May-08 22-Feb-05	03-Jan-09	22-May-08	
US-3 Month Office 22-Aug-08 Action	8 22-Aug-08 US-Allowability	8 22-Aug-08 US-Allowance	8 22-Aug-08 US-Final Office Action	8 22-Aug-08 US-Supp. IDS Filed	US-RCE (Req. Contd 8 22-Aug-08 Exam)	8 22-Aug-08 US-Supp. IDS Filed	US-3 Month Office 22-Aug-08 Action	8 22-Aug-08 US-Allowance 5 22-Aug-08 Tax 3.5	22-Aug-08 (F) Official Action	3 22-Aug-08 US-Allowance	a face that a sales
1st Extension	Notice of Allowability	Notice of Allowance	Final Rejection	Supp. IDS Filed	RCE (Req. Cont'd Exam)	Supp. IDS Filed	Rejection Mailed	Issue Fee Due Tax 3.5	Transmittal to Client	Notice/Publ. Fee Due	

		3	Month Missing	2 Month Missing Parts
00000X.0112	12/033193	ZZ-Aug-ue	22-Mug-vo Falis	7 MOUNT MISSING I GIVE
xxxxxx.0123 =11/469033	11/469033	22-Jan-08	US-3 Month Office 22-Aug-08 Action	US-4 Mo. Response Status Check
xxxxx.1302 12/107433	12/107433	22-Apr-08	22-Aug-08:Priority Claim on Spec	Priority Claim on Spec
xxxxx.1746	11/744365	23-Jul-08	Review Foreign Art days)	Review Foreign Art (30 days)
xxxxx.0221	11/316301	22-Aug-08	US-3 Month Office 22-Aug-08 Action	Rejection Mailed
xxxxx.0592	29/210940	22-Aug-08	US-3 Month Office 22-Aug-08 Action	Rejection Mailed
xxxxx.0466	12/185430	22-Aug-08	US-2 Month Missing 22-Aug-08 Parts	2 Month Missing Parts
	10/888721	22-Aug-08	22-Aug-08 US-Final Office Action	Final Rejection
xxxxx.1834 1 12/107531	12/107531	22-Apr-08	22-Aug-08 Priority Claim on Spec. Priority Claim on Spec.	Priority Claim on Spec.
AYWYW 6712	10/888965	22-Aug-08	22-Ang-08 US-Final Office Action	Final Rejection
	TOTO COMPANY OF THE PARTY OF TH			5. The second se

xxxxxxx 6962 10/837551 22-Aug-08 22-Aug-08 US-advisory Action Advisory Action Advisory Action xxxxxx 6962 10/830127 22-Aug-08 22-Aug-08 Action Rejection Malled xxxxxx 6962 10/830127 22-Aug-08 22-Aug-08 Action Assignment xxxxxx 2264 11/406487 23-Aug-08 22-Aug-08 US-Allowance Rejection Malled xxxxxx 2264 10/401930 22-Aug-08 22-Aug-08 US-Allowance Notice of Allowability xxxxxx 6561 10/401930 22-Aug-08 22-Aug-08 US-Allowability Notice of Allowability xxxxxx 6561 10/401930 22-Aug-08 22-Aug-08 US-Final Office Action Final Rejection xxxxxx 6561 10/401930 22-Aug-08 22-Aug-08 Received ISR/Written Opinion ISR/Written Opinion xxxxxxx 0174 XXXXXXXXXXXXXXX 22-Aug-08 22-Aug-08 Exam) ISR/Written Opinion Received	3 Month Due Date	US-3 Month Office 22-Aug-08: Action	22-May-08	11/132633	xxxxx 6590 1.11/132633
10/837551 22-Aug-08 22-Aug-08 US-Advisory Action 10/830127 22-Aug-08 22-Aug-08 Action 12/035637 22-Feb-08 22-Aug-08 Action 12/035637 22-Feb-08 22-Aug-08 Assignment 11/1406487 23-Nov-07 22-Aug-08 US-Allowance 10/401930 22-Aug-08 22-Aug-08 US-Allowance 10/401930 22-Aug-08 22-Aug-08 US-Allowability 11/133915 22-Aug-08 22-Aug-08 US-Final Office Action ISROWritten Opinion XXXXXXXXXXXXXX	Appin Status Check/No Term Ext	US-RCE (Req. Cont'd 22-Aug-08 Exam)	22-Apr-08	11/311594	xxxxxx.0109
10/837551 22-Aug-08 22-Aug-08 US-Advisory Action 10/830127 22-Aug-08 22-Aug-08 Action 12/035637 22-Feb-08 22-Aug-08 Action 11/1096487 23-Nov-07 22-Aug-08 US-Allowance 10/401930 22-Aug-08 22-Aug-08 US-Allowance 10/401930 22-Aug-08 22-Aug-08 US-Allowance 10/401930 22-Aug-08 22-Aug-08 US-Final Office Action	ISR/Written Opinion Received	ISR/Written Opinion 22-Aug-08 Received	22-Aug-08	XXX/XXXXXXXXX	хххххх.0174
10/837551 22-Aug-08 22-Aug-08 US-Advisory Action 10/830127 22-Aug-08 22-Aug-08 Action 12/035637 22-Feb-08 22-Aug-08 Assignment 17/1406487 23-Nov-07 22-Aug-08 US-Allowance 10/401930 22-Aug-08 22-Aug-08 US-Allowance 22-Aug-08 US-Allowance 22-Aug-08 22-Aug-08 US-Allowability	Final Rejection	22-Aug-08 US-Final Office Action	22-Aug-08	11/133915	
10/837551 22-Aug-08 22-Aug-08 US-Advisory Action US-3 Month Office 10/830127 22-Aug-08 22-Aug-08 Action 12/036637 22-Feb-08 22-Aug-08 Assignment 11/406487 23-Nov-07 22-Aug-08 US-Allowance 10/401930 22-Aug-08 22-Aug-08 US-Allowance	Notice of Allowability	22-Aug-08 US-Allowability	22-Aug-08	10/401930	
22-Aug-08 22-Aug-08 US-Advisory Action US-3 Month Office 22-Aug-08 22-Aug-08 Action 22-Feb-08 22-Aug-08 Assignment 23-Nov-07 22-Aug-08 US-Allowance	Notice of Allowance	22-Aug-08 US-Allowance	22-Aug-08	10/401930	
10/837551 22-Aug-08 22-Aug-08 US-Advisory Action 10/830127 22-Aug-08 22-Aug-08 Action 11/2/035637 22-Feb-08 22-Aug-08 Assignment	Issue Fee Follow Up	22-Aug-08 US-Allowance	23-Nov-07	11/406487	xxxxx.2264
10/837851 22-Aug-08 22-Aug-08 US-Advisory Action US-3 Month Office 10/830127 22-Aug-08 22-Aug-08 Action	Assignment Follow Up Date	22-Aug-08 Assignment	22-Feb-08	12/035637	
10/837551 22-Aug-08 22-Aug-08 US-Advisory Action	Rejection Mailed	US-3 Month Office 22-Aug-08 Action	22-Aug-08	10/830127	xxxxx.6962
	Advisory Action	22-Aug-08 US-Advisory Action	22-Aug-08	10/837551	

22-Aug-08. US-Examiner's / US-Certif to Con 22-Aug-08. Filed US-Certif to Con 22-Aug-08. Foreign Filing 22-Aug-08. US-Appeal Brief 22-Aug-08. US-Review Fore
22-Aug-08 US-Examiner's Answer Examiner's Answer US-Certif to Correct Not 22-Aug-08 Flied Certif to Correct Not 22-Aug-08 Flied Foreign Filing Foreign Filing Due-22-Aug-08 US-Appeal Brief Brief Review Foreign Art days)

xxxxx.0376 10/696375	xxxxxx.0107 XXXXXX26.4	xxxxx.0109 XXXX/X006	xxxxx.0148 10/277539	xxxxxx.0181 :09/955395	xxxxx.0166 11/275700	xxxxxx.1614 XXXXXX762	xxxxx.0102 11/505123	xxxxx.2239 :29/267982
3375 22-Aug-08	XX26.4 23-Aug-08	/X006 23-Aug-08	7539 22-Aug-08	3395 22-Aug-08		XX762 23-Aug-08	123 22-Aug-08	-
22-Aug-08	Jg-08 22-Aug-08 EARS Annuity Due	.g-08 22-Aug-08 EARS Annuity Due	.g-08 22-Aug-08 EARS Annuity Due	.g-08 22-Aug-08 EARS Annuity Due	23-Apr-08 22-Aug-08 US-E	(F) Request 19-08 22-Aug-08 Examination	22-Aug-08	22-Jul-08 22-Aug-08 US-Allowance
 ertif to Correct Not					22-Aug-08 US-Election/Restriction and Extension		unication	
Certif./Correction Not Filed	EARS Next Annuity Due	nsion	Request for Exam Final	Communication re:	Fee Due in 2 Months			

	ЕХНІВІТ 6			
Information Dis Follow Up Date	22-Aug-08 US-IDS Filed	22-Feb-07	xxxxx.0105 111/425288	xxxxx.010
Information Dis Follow Up Date Tax 3.5	22-Aug-08 US-IDS Filed 22-Aug-08 Tax 3.5 22-Aug-08 Tax 3.5	22-Feb-07 22-Feb-05 22-Feb-05	104 11/170413 247 10/302976 126 10/082386	xxxxxx.0104 xxxxxx.1247 xxxxxx.0126
Formal Drawings Final	US-3 Month Office 22-Aug-08 Action	22-Feb-08	096 10/488136	xxxxx.1096
6 Month Final	US-3 Month Office 22-Aug-08 Action	22-Feb-08	096 10/488136	xxxxxx.1096
Official Action Issued	22-Aug-08 (F) Official Action	22-Aug-08	376 XX/X/XXXX/XXX63	xxxxxx.1876
Change of Corresp. Address	US-Change of Corresp. Change of Corresp. Address Address	22-Aug-08	35 12/165760	хххххх.1535
Notice of Allowance	22-Aug-08 US-Allowance	22-Aug-08	xxxxx.2702 10/611651	xxxxx.270
Final Rejection	22-Aug-08 US-Final Office Action	22-Aug-08	239 10/112366	xxxxxx.0239
Information Dis Follow Up Date	22-Aug-08 US-IDS Filed	22-Feb-07	xxxxxx.0201 1.11/619390	xxxxxx.020
(Property of the Control of the Cont				

	xxxxxx.0189 11/389733	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxx.0116 XXX/XXXXXXXXX96	xxxxxx.0165 02821207	xxxxxx.0672 11/677908	xxxxx.0148 10/277539	xxxxxx.0187 10/392522	xxxxx.1083 1.11/532795	xxxxxx 0216 N XXXXXX28.3	xxxxxx.0216 E XXXXXX28.3
	22-Feb-07	08-Jul-08	08-lul-08	22-Aug-08	22-Feb-07	22-Feb-05	22-Feb-05	18-Sep-06	22-Aug-07	22-Aug-07
ЕХНІВІТ 6	22-Aug-08 US-IDS Filed	ISR/Written Opinion 22-Aug-08 Received	ISR/Written Opinion 22-Aug-08 Received	(F) Official Action - 2 22-Aug-08 months	Information Disclosure 22-Aug-08 Stmnt	22-Aug-08 Maintenance fee	22-Aug-08 Maintenance fee	Information Disclosure 22-Aug-08 Strnnt	Maint/Annuity not paid 22-Aug-08 by BB	:Maint/Annuity not paid 22-Aug-08 by BB
	Information Dis Follow Up Date	Demand for Examination Due	Argument/Art. 34 Amend. Due	Official Action Issued	Information Dis Follow Up Date	TAX 3.5	TAX 3.5	Information Dis Follow Up Date	Maint/Annuity not paid by	Maint/Annuity not paid by BB

EXHIBIT 6

Letter to Client Due	US-Examiners Interview 22-Aug-08 Summary	23-Jul-08	111/220111	xxxxxx.0124 111/220111
Letter to Client Due	22-Aug-08 US-IDS Filed	14-Aug-08	11/813867	xxxxxx.0125
Letter to Client Due	22-Aug-08 US-IDS Filed	14-Aug-08.	11/740880	xxxxxx.0134
Letter to Client Due	22-Aug-08 US-IDS Filed	14-Aug-08	11/815015	xxxxx.0128 11/815015
Letter to Client Due	22-Aug-08 US-Assignment Due	14-Aug-08	12/183599	xxxxxx.1518 12/183599
Letter to Client Due	22-Aug-08 US-IDS Due	15-Aug-08	11/655402	xxxxx.1389
Notice/Publ. Fee Due	22-Aug-08 US-Allowance	22-May-08	10/856408	xxxxx.0413
EARS Next Annuity Due	22-Aug-08 EARS Annuity Due	23-Aug-08	XXXX078	xxxxxx.0106
Transmittal to Client	ISR/Written Opinion 22-Aug-08 Received	11-Aug-08	XXXX/XX982	xxxxxx.0216
Tax 3.5	22-Aug-08 US-Allowance 22-Aug-08 Tax 3.5	22-May-08 22-Feb-05	10/856408 09/955395	xxxxxx.0413 xxxxxx.0181

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Notice of Publication Rec'd	US-Notice of 22-Aug-08 Publication	22-Aug-08	11/709551	xxxxxx.1176 11/709551
11/14/2539. 22-Feb-0.8 22-Aug-08 Action US-3 Month Office 11/14/2539. 22-Aug-08 Action 10/1995/746 22-Aug-08 22-Aug-08 US-IDS Filed ISRAW/Titlen Opinion XXXXXXXXX39 22-Aug-0.8 22-Aug-0.8 Received US-3 Month Office 11/2008063 30-May-0.8 22-Aug-0.8 Action XXXXXXX22.6 23-Aug-0.4 22-Aug-0.8 (F) New Application XXXXXXXXX164 07-Mar-0.8 22-Aug-0.8 (F) New Application XXXXXXXXXX29.1 07-Mar-0.8 22-Aug-0.8 (IS-Final Office Action 10/18/4072.8 07-Mar-0.8 22-Aug-0.8 (US-Final Office Action 10/18/4072.8 07-Mar-0.8 07-Mar	Oath/Declaration Reminder	US-2 Month Missing 22-Aug-08 Parts	22-May-08	12/116488	xxxxx.0335
11/142539 22-Feb-08 22-Aug-08 Action 10/895746 22-Aug-08 22-Aug-08 US-13 Month Office 12/0895746 22-Aug-08 US-1DS Filed 18/R/Written Opinion 12/0895746 22-Aug-08 22-Aug-08 Received 12/08963 30-May-08 22-Aug-08 Action 12/08963 30-May-08 22-Aug-08 (F) Annuity Fee Due 12/08963 23-Aug-04 22-Aug-08 (F) New Application 12/08963 23-Aug-08 22-Aug-08 (F) New Application 12/08963 23-Aug-08 22-Aug-08 (F) New Application 12/08963 23-Aug-08 22-Aug-08 (F) New Application	2 Weeks to Final Date		07-Mar-08	10/840728	xxxxxx.0527
11/14/2539 22-Feb-08 22-Aug-08 US-3 Month Office 11/14/2539 22-Feb-08 22-Aug-08 US-10S Filed 10/8985746 22-Aug-08 1SR/Written Opinion XXXXXXXXXX39 22-Aug-08 22-Aug-08 Received 12/008063 30-May-08 22-Aug-08 Action XXXXXXXX22.6 23-Aug-04 22-Aug-08 (F) Annuity Fee Due XXXXXXXXX164 07-Mar-08 22-Aug-08 (F) New Application	Filing Receipt Received	22-Aug-08 (F) New Application	07-Mar-08	XXXXXXXXXX29.	ххххххх.0382
11/142539 22-Feb-08 22-Aug-08 Action 10/995746 22-Aug-08 22-Aug-08 US-3 Month Office 22-Aug-08 US-IDS Filed 15/RVMritten Opinion 12/008063 20-Aug-08 22-Aug-08 Received 12/008063 30-May-08 22-Aug-08 Action 12/008063 20-Aug-04 22-Aug-08 (F) Annuity Fee Due	Formal Documents to Client		07-Mar-08	XXXX-XXX164	
11/142839 22-Feb-08 22-Aug-08 Action 10/898746 22-Aug-08 10S-10S Filed 22-Aug-08 22-Aug-08 US-10S Filed ISR/Written Opinion XXX/XXXXXXX39 22-Aug-08 22-Aug-08 Received 12/008063 30-Mey-08 22-Aug-08 Action	Annuity Fee Due		23-Aug-04	XXXXXX22.6	xxxxxx.0458
11/142639 22-Feb-08 22-Aug-08 Action 10/995746 22-Aug-08 22-Aug-08 US-IDS Filed ISR/Written Opinion XXXX/XXXX/XXXX39 22-Aug-08 22-Aug-08 Received	Resp. Due to B. Kent	Month Office	30-May-08	12/008063	
11/142539 22-Feb-08 22-Aug-08 Action 10/995746 22-Aug-08 22-Aug-08 US-IDS Filed	ISR/Written Opinion Received	en Opinion	22-Aug-08	XXX/XXXX/XXX39	xxxxx.0374
11/142939 22-Feb-08 22-Aug-08 Action	IDS Filed	22-Aug-08 US-IDS Filed	22-Aug-08	10/995746	
	6 Month Final	Month Office	22-Feb-08	11/142939	xxxxxx.0132

oxxxx.1291	11/709552	22-Aug-08	US-Notice of 22-Aug-08 Publication	Notice of Publication Rec'd
oxxxx.2239	29/267982	22-Jul-08	22-Aug-08 US-Allowance	Correct Drawings Reminder
09/646442	09/646442	08-Aug-08	US-Notice/Non- 22-Aug-08 Compliant Appeal	Res. Non-Comp App. Brief 2 wks
oxxxx.0126	αχχαχ.0126 XXXXXXX85.7	19-Aug-08	22-Aug-08 (F) New Application	Assoc. Confirmed Recpt/Desig
oxxxx.0263	000000.0263 XXXX/XXX833	24-Aug-08	22-Aug-08 (F) New Application	New POA Sent by Assoc.
oxxxx.0263	xxxxx.0263 XXXX/XXX833	24-Aug-08	22-Aug-08 (F) New Application	New Drawings Due
00000 0263	xxxxx 0263 XXXX/XXX833	24-Aug-08	22-Aug-08 (F) New Application	POA Sent to Client
xxxxx.1020 12/053575	12/053575	22-Mar-08	22-Aug-08 Filing Receipt Rec'd	Filing Receipt Rec'd
xxxxx.0175	10/717680	22-Aug-08	22-Aug-08 US-Advisory Action	Advisory Action
xxxxxx.1059 12/053578		- 1914		

xxxxx.0103 1.11/426116	xxxxx.2223 11/469496	xxxxxx.1040 12/053571	хооххх.3559
111/426116	11/469496	12/053571	XXXXXXX80-1
22-Feb-07	22-Aug-08	22-Mar-08	22-Feb-08
22-Aug-08 US-IDS Filed	US-3 Month Office 22-Aug-08 Action	22-Aug-08 Filing Receipt Rec'd	22-Aug-08 (F) New Application
Information Dis Follow Up Date	Rejection Mailed	Filing Receipt Rec'd	Filing Receipt Received



Paul A. Ragusa Baker Botts LLP 30 Rockefeller Plaza New York NY 10112

NITED STATES PATA

Commissioner for Patents United States Patent and Trademark Office

P.O. Box 1450

DECISION ON PETITION TO

In re Application of: BADGER, David, et al. U.S. Application No.: 10/537,474 PCT No.: PCT/US2002/039248 International Filing Date: 06 December 2002 Priority Date: None claimed Atty Docket No.: A35477 PCT (065855) For: A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES

WITHDRAW HOLDING OF ABANDONMENT (37 CFR 1.181)

FOR T. Chim)

This decision is issued in response to the "Petition To Withdraw Holding Of Abandonment Under 37 CFR 1.181(a)" filed 24 October 2008. A petition fee is not required.

BACKGROUND

On 06 December 2002, applicants filed international application PCT/US2002/039248. The international application did not claim an earlier priority date, and it designated the United States. The deadline for submission of the basic national fee was thirty months from the international filing date, i.e., 06 June 2005.

On 03 June 2005, applicants filed a Transmittal Letter for entry into the national stage in the United States accompanied by, among other materials, payment of the basic national fee.

On 14 April 2006, the United States Designated/Elected Office (DO/EO/US) mailed a "Notification Of Missing Requirements" (Form PCT/DO/EO/905) indicating that an oath or declaration in compliance with 37 CFR 1.497, the surcharge for filing the oath or declaration later than thirty months after the priority date, and additional claims fees were required. However, it appears that this Form PCT/DO/EO/905 was directed to an incorrect correspondence address

On 22 January 2008, the DO/EO/US mailed a second "Notification Of Missing Requirements" (Form PCT/DO/EO/905) indicating that an oath or declaration in compliance with 37 CFR 1.497, the surcharge for filing the oath or declaration later than thirty months after the priority date, and additional claims fees were required. This Form PCT/DO/EO/905 was properly directed to the above-listed correspondence address of record, and it was accompanied

DOCKETED FOR

by a "Withdrawal Of previously Sent Notice" vacating the improperly addressed Notification mailed 14 April 2006.

Applicants did not file a response to the Notification Of Missing Requirements mailed 22 January 2008 during the extendable response period provided in the Notification Of Missing Requirements.

On 26 September 2008, the DO/EO/US mailed a "Notice of Abandonment" (Form PCT/DO/EO/909) indicating that the application was abandoned based on applicants' failure to file a timely response to the Notification Of Missing Requirements mailed 22 January 2008.

On 24 October 2008, applicants filed the "Petition To Withdraw Holding Of Abandonment Under 37 CFR 1.181(a)" considered herein. The petition asserts that the holding of abandonment should be withdrawn because applicants did not receive the Notification Of Missing Requirements upon which the abandonment is based.

DISCUSSION

Section 711.03(c)(I)(A) of the MPEP sets forth the requirements for a grantable petition in the present circumstances:

The showing required to establish nonreceipt of an Office communication must include a statement from the practitioner describing the system used for recording an Office action received at the correspondence address of record with the USPTO. The statement should establish that the docketing system is sufficiently reliable. It is expected that the record would include, but not be limited to, the application number, attorney docket number, the mail date of the Office action and the due date for the response.

Practitioner must state that the Office action was not received at the correspondence address of record, and that a search of the practitioner's record(s), including any file jacket or the equivalent, and the application contents, indicates that the Office action was not received. A copy of the record(s) used by the practitioner where the non-received Office action would have been entered had it been received is required.

A copy of the practitioner's record(s) required to show non-receipt of the Office action should include the master docket for the firm. That is, if a three month period for reply was set in the nonreceived Office action, a copy of the master docket report showing all replies docketed for a date three months from the mate date of the nonreceived Office action must be submitted as documentary proof of nonreceipt of the Office action. If no such master docket exists, the practitioner should so state and provide other evidence such as, but not limited to, the following: the application file jacket; incoming mail log; calendar; reminder system; or the individual docket record for the application in question.

The present petition does not include the required statements from the practitioner describing the docketing system in use at petitioner's firm and stating that a search of the practitioner's record(s), including any file jacket or the equivalent, and the application contents, indicates that the Notification Of Missing Requirements was not received.

With respect to the docket records requirement, applicants have provided a copy of what appears to be the docket record for the present application file. However, as discussed in the MPEP, what is required is a copy of the full office docket record for all responses due in the USPTO on 22 March 2008, the date on which a response to the Notification Of Missing Requirements was due.

Based on the above, applicants have not satisfied the requirements for a petition to confirm the failure to receive the Notification Of Missing Requirements mailed 22 January 2008. Accordingly, withdrawal of the holding of abandonment is not appropriate on the present record.

CONCLUSION

Applicants' petition under 37 CFR 1.181 is **DISMISSED** without prejudice. The application remains abandoned.

If reconsideration on the merits of the petition is desired, a proper response must be filed within TWO (2) MONTHS of the mail date of the present decision. Any request for reconsideration should include a cover letter entitled "Renewed Petition Under 37 CFR 1.181" and must include the additional statements from the practitioner and docket records required to confirm that the Notification Of Missing Requirements mailed 22 January 2008 was not received, as discussed above and in the MPEP.

Please direct further correspondence with respect to this matter to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, with the contents of the letter marked to the attention of the Office of PCT Legal Administration.

Richard M. Ross

Attorney Advisor Office of PCT Legal Administration

Telephone: (571) 272-3296

Facsimile: (571) 273-0419

¹ It is noted that 22 March 2008 was a Saturday. Accordingly, if applicants' docketing system dockets responses for the next business day, a copy of the full office docket for all responses due on 24 March 2008 should be provided.

Electronic Ac	knowledgement Receipt
EFS ID:	4170391
Application Number:	10537474
International Application Number:	
Confirmation Number:	3259
Title of invention:	System and method for inter-relating multiple data types
First Named Inventor/Applicant Name:	David Warren BADGER
Correspondence Address:	Paul A. Ragusa Baker Botts ILP 30 Rockefeller Plaza New York NY 10112 US
Filer:	David W. Schalk
Filer Authorized By:	
Attorney Docket Number:	A35477 PCT USA (065855.)
Receipt Date:	24-OCT-2008
Filing Date:	
Time Stamp:	11:44:06
Application Type:	U.S. National Stage under 35 USC 371
Payment information:	

Payment information:

Submitted with Payment	no
File Listing:	

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.
1	Petition for review by the Office of Petitions.	exhibits.pdf	1761758 2004Scodb/Sau38958coSelatSibiliticad	no	32
Warnings:					
2	Petition for review by the Office of Petitions.	petition.pdf	58655 75642702568998883886c08888 18642	no	2
WarnIngs:					
Information:					
		Total Files Size (in bytes)	18	20413	

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filling Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

 Applicant(s)
 : Badger et al.
 Examiner
 : TBD

 Serial No.
 : 10/537,474
 Confirmation No.
 : 3259

 Filed
 : 06/03/2005
 Group Art Unit
 : TBD

For : A System And Method For Inter-Relating Multiple Data Types

PETITION TO WITHDRAW HOLDING OF ABANDONMENT UNDER 37 C.F.R. §1.181(a)

Mail Stop PETITION Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

On June 3, 2005, Applicants mailed the following documents to the USPTO by

Express Mail (attached as Exhibit 1):

- Transmittal Letter (2 pages)
- 2. Patent Application (9 pages of specification, 3 pages of claims, 5 sheets of drawings)
- 3. Form PCT/ISA/220 (1 page)
- Form PCT/IB/308 (1 page)
- Check for \$1000,00 (1 page)
- 6. Return Receipt Postcard (1 page)

A Notice of Abandonment was then mailed on September 26, 2008 (Exhibit 2) indicating that the above-identified patent application had gone abandoned. However, Applicants never received a copy of the Notification of Missing Requirements that was apparently mailed on January 22,

2008. A copy of a Declaration by Elsie Williams attesting to this fact is attached as Exhibit 3.

Applicants therefore believe that the abandonment for the above-identified patent

application should be withdrawn because the Notification of Missing Requirements was never received. Applicants also request that a new period of reply be set for responding to the

1

NY02:638488.1

Notification.

Applicants believes that there is no fee required with this communication.

However, if any fees are required, the Commissioner is hereby authorized to charge payment of any fees relating to this communication to Deposit Account No. 02-4377.

Respectfully submitted,

BAKER BOTTS L.L.P.

/David Schalk/ David Schalk

Patent Office Reg. No. 60,527

Paul A. Ragusa

Patent Office Reg. No. 38,587

Attorneys for Applicant 30 Rockefeller Plaza 44th Floor New York NY 10112 (212) 408-2500 06 JUL 24 EVE 30

10/537474

3C08 Rec'd PCT/PTO 0 3 JUN 2005

EXHIBIT 7

BAKER BOTTS L.L.P. ATTORNEYS AT LAW 30 Rockefeller Plaza 44fn and 45th floor New York, New York 10112-0228

INQUIRIES:(212) 705-5000 TAXPAYHR I.D. #74-1195457 Voucher **Gross Amount** Discount Net Amount Invoice No. Date PAR A35477PCTUSA jl 45flr 1188543 1,000.00 0.00 1.000.00 15425529 06/03/2005 11135 06/03/2005 Vendor No. Check No. 176360 Check Date COMMISSIONER OF PATENTS AND **Total Amount** 1,000.00 Vendor Name

Chase Beats, N.A.

New York, New York

BAKER BOTTS LL.P.

ATTORNIESS AT LAW
New York Coperating Account

PAY ONE THOUSAND AND 00/100 Dollars

NOT NEODTIABLE SEX MONTHS
FROM THE DATE OF ISSUE
TWO SIGNATURES REQUIRED OVER \$2,500.00

TO
THE
OUTUBE
OU

PYO-1390 (Rev. 12-2004)
U.S. Patent and Tradema- Cottos; U.S. DEPARTMENT OF COMMERCE
good to a collection of information unless & displays a veid OMB control number.

TR	ANSMITTAL LETTER T	O THE UNITED STATES	ATTORNEY'S DOCKET NUMBER
	ESIGNATED/ELECTEL	OFFICE (DO/EO/US)	A35477 PCT USA (065855.) U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
CON	CERNING A SUBMISSI	ON UNDER 35 U.S.C. 371	
	TONAL APPLICATION NO.	INTERNATIONAL FILING DATE 6 DECEMBER 2002	PRIORITY DATE CLAIMED 6 DECEMBER 2002
	002/039248 INVENTION	1	
A SYST	EM AND METHOD FOR	INTER-RELATING MULTIPLE	DATA TYPES
	IT(S) FOR DO/EO/US	beth Ann Waldman and Girish Marathe	
Applicant	herewith submits to the United 5	States Designated/Elected Office (DO/El	O/US) the following items and other information:
1. 🗹	This is a FIRST submission of items	concerning a submission under 35 U.S.C. 37	1.
		Faubmission of items concerning a submission	
3. 🔲 1	This is an express request to begin n (5), (6), (9) and (21) Indicated below	ational examination procedures (35 U.S.C. 3)	71(f)). The submission must include Items
4. 🛛	The US has been elected (Article 31).	
5 🗸	A copy of the International Applicat		
	a. Is attached hereto (required)	red only if not communicated by the Internatio	nel Bureau).
	b. has been communicated	by the internetional Bureau.	
	c. is not required, as the ap	plication was filed in the United States Recei	ving Office (RO/US).
в. 🗀	An English language translation of	the International Application as filed (35 U.S.	C. 371(o)(2)).
	a. Is ettached hereto.		
	b. has been previously sub	mitted under 35 U.S.C. 154(d)(4).	
7.	Amendments to the claims of the I	niemationat Application under PCT Article 19	(35 U.S.C. 371(c)(3))
	a. are attached hereto (re	quired only if not communicated by the tritem	atlonal Bureau).
		ted by the International Bureau.	
	c. have not been made; h	owever, the time limit for making such amend	iments has NOT expired.
	d. have not been made at		
8. 🔲	An English language translation of	f the amendments to the claims under PCT /	Article 19 (35 U.S.C. 371(c)(3)).
9. 🗆	An eath or declaration of the inver		
10. 🔲	An English language translation of Article 36 (35 U.S.C. 371(c)(5)).	the ennexes of the international Preliminary	Examination Report under PCT
Items	11 to 20 below concern documen	nt(s) or information included:	
11. 🔲	An Information Disclosure Statem	ent under 37 CFR 1.97 and 1.98.	
12.	An assignment document for reco	rding. A separate cover sheet in compliance	with 37 CFR 3.28 and 3.31 is included.
13.	A preliminary amendment.		
14.	An Application Data Sheet under	37 CFR 1.76.	
15.	A substitute specification.		
16.	A power of attorney and/or chang		
17.	A computer-readable form of the	sequenca listing in accordance with PCT Rui	e 13ter.2 and 37 CFR 1.821- 1.825.
16.		nternational Application under 35 U.S.C. 154	
19.	A second copy of the English land	guage translation of the international applicat	ion under 35 U.S.C. 154(d)(4).
20 🔽	- Publi	shed Annin, WO 2004/053763 w/Search	Report, PCT/ISA/220, PCT/IB/308 to obtain or retain a benefit by the public, which is to file (at ad 1.14, This collection is estimated to take 15 minutes to

USPT LO 9 process; an approximation connectionable in a process of the process of

Express Mail Label No.: ED291601538US

Approved for use through 3/31/2007, OMB 0651-0021 LLS Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

			INTERNATIONAL AP	PLICATION NO.	ATTORNEY'S DO	CKET NUMBER
U.S. APPLICATION NO. (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO.		A35477 PCT USA (065865.)				
75 - 6-7	owing fees have b	oon submitted	1.0000000000000000000000000000000000000		CALCULATIONS	PTO USE ONLY
The follo	coning tees nave b contional fee	een submitted		\$300	\$ 300.00	
22. Exam If International p	nination fee reliminary examin	etion report prepar	ed by USPTO and all claims	satisfy provisions of	\$ 200.00	
23. Z Sear Search fee (37 C Internatio	rch fee FR 1.445(a)(2)) h nsi Searching Aut	as been paid on th	e International application to	the USPTO as an	\$ 400.00	
					\$ 900.00	
Additional fe	TOTAL OF 21, 2 e for specification sting or computer 250 for each addi	and drawings filed	in paper over 190 sheets (e. d in an electronic medium). peper or fraction thereof.	coluding		
Total Sheets	Extra Sheets	Number of each	additional 50 or fraction up to a whole number)	RATE		
- 100 =	0 /50 =		0	x \$250	\$ 0.00	
Surcharge of \$13	30.00 for furnishing tate (37 CFR 1.49	g the oath or decla 2(e)).	eration leter than 30 months for	om the earliest	s	
CLAIMS		BERFILED	NUMBER EXTRA	RATE	\$	
Total claims			2	x \$ 60	\$ 100.00	
Independent cial			0	x \$200	\$ 0.00	
	ENDENT CLAIM		· · · · · ·	+ \$360	\$ 0.00	
MOLTH'LE DEF	CIDET. OCTAN	-7 3	TOTAL OF ABOV	E CACULATIONS =	\$ 1,000.00	
Applicant cli	aims small entity s	tatus. See 37 CFF	R 1.27. Fees above are redu	oed by 1%.		
				SUBTOTAL =	\$ 1,000.00	
Processing fee o	of \$130.00 for furn date (37 CFR 1.49	ishing the English (2(f)).	translation later than 30 mon	ths from the earliest +	\$	
Country of Private A			TOTA	L NATIONAL FEE =	\$ 1,000.00	
Fee for recording	g the enclosed as	signment (37 CFR CFR 3 28, 3.31).	1.21(h)). The assignment me \$40.00 per property	st be accompanied +	s	
от ан арргория			TOTAL	FEES ENCLOSED =	\$ 1,000.00	
					Amount to be refunded:	\$
					Amount to be charged:	\$
a. A che	ck in the amount o	of \$ 1,000.00	to cover the ab	ove fees is enclosed.		
. 🗆 🖦	o chama my Denr	sit Account No. 0	2-4377 in the amount of	\$to e	cover the above fees.	
L21	1. 1		charge any additional fees v py of this sheet is enclosed.	rhich mey be required	, or credit eny overpays	ment to Deposit 1
1 —			ARNING: information on this card information and authoriz	form may become pretion on PTO-2038.	ublic. Credit card infor	mation should not
		ma limit under 37	CFR 1.495 has not been m tion to pending status.	et, a petition to rovi	/e (37 CFR 1.137(8) ог Р	(b)) must be filed
	RRESPONDENCE			/		
SENO REEGO	u.c. onserv			SIGNATURI		
Paul A. Rage	usa			Paul A. Ra	gusa	
BAKER BOT 30 Rockefell				NAME		
New York, N	Y 10112			38,587		
1				REGISTRA	TION NUMBER	

FORM PTO-1390 (REV. 02-2005) Page 2 of 2

(19) World Intellectual Property Organization International Bureau



(10) International Publication Number WO 2004/053763 A1

(43) International	Publication Date
24 June 2004	(24.06.2004)

1)	International Paten	Classification?:	G06F 17/60

- (21) International Application Num PCT/US2002/039248
- (22) International Filing Date: 6 December 2002 (06.12.2002)
- English
- (25) Flling Language:
- (26) Publication Language:
- English (71) Applicant (for all designated States except US): IMS HEALTH INCORPORATED [US/US]; 660 West Germantown Pike, Plymouth Meeting, PA 19462 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BADGER, David, Warren [US/US]; 528 W. Mt. Vernon Street, Lansdale, PA 19446 (US). BENNER, Dale [US/US]; 1306 School House Road, Pennsburg, PA 18073 (US). WALDMAN, Elizabeth, Ann [US/US]; 3 Devon Drive, New Hope, PA 18938 (US). MARATHE, Girish [IN/US]; 1111 Whitpain

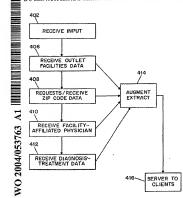
Hills, Blue Bell, PA 19422 (US). HERRON, Marjory, Beth (US/US); 105 Jonathan Drive, North Wales, PA 19454 (US), DEWITT, Steven, L. [US/US]; 170 Cotton Street, #207, Philadelphia, PA 19127 (US). TRINH, Gary (US/US): 32 Pear Tree Lane, Lafayette Hill, PA 19444 (US). STOVER, David, J. [US/US]; 1087 Soffa Road, East Greenville, PA 18041 (US). SORIA, Luis [US/US]; 710 Ringwood Avenue, Pompton Lakes, NJ 07422 (US).

(74) Agent: RAGUSA, Paul, A.; Baker Botts LLP, 30 Rockefeller Plaza, New York, NY 10112-4498 (US).

(81) Designated States (national): AB, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC. LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SB, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ. VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES



(57) Abstract: A system and method of inter-relating multiple data types to provide a comprehensive data output reflecting non-retail sales of pharmaceuticals is disclosed. In particular, the system and method of the present invention provides for receiving non-retail pharmacoutical delivery information of pharmaceuticals deliver to outlets from manufacturers or distributors, where the data is primarily inconsistent and features many words (102, 104, 202-204). The present invention inter-relates one or more reference datum from other sources (402-412) in a cross relational manner to ensure that voided fields in the pharmaceutical deliver information are populated and/or verified (414). The present invention also provides means to configure pre-defined queries of the data extract for efficient service of reports for clients (416).

- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW).

 Burssins patent (AM, AZ, BY, KG, SZ, MD, KU, TI, TM),

 Burropean patent (CH, BR, BG, CH, CY, CZ, DR, DK, SZ, MB, SZ, MB TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
 - with international search report
 - For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations* appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/053763 PCT/US2002/039248

A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES

FIELD OF THE INVENTION

The present invention is directed to techniques for inter-relating multiple data types, and, in particular, to the manipulation and inter-relation of various types of data to create a augmented comprehensive data output.

BACKGROUND INFORMATION

The pharmaceutical industry is one of the largest income generating industries in the world. However, there are a great number of pharmaceutical companies producing the same or equivalent drugs. Thus, it has become increasing important for these manufacturers to be able to generate data indicating their market share in various geographic regions, as well as the quantity of specific drugs sales in each area.

At present, manufacturers are able to monitor their retail sales with reasonable accuracy. Retail sales are essentially drug sales to retail stores ("retail outlets"), such as the commonly known "drug store." These retail sales are fairly traceable because the data relating to the deliveries to retail outlets is kept in great detailed.

With this comprehensive data, multiple reports and analysis may be conducted. These reports can be used, for example, to help a manufacturer determine in which geographic regions to focus their efforts to retain or gain market power, determine which physicians to send pharmaceutical samples, and which regions to target due to under performance. The ability to track and trace these retail sales does indeed assist the manufacturers greatly, however, retail sales do not represent the total pharmaceutical market.

A significant portion of the pharmaceutical market involves "non-retail sales."

Non-retail sales are most notably drug sales terminating in hospitals, departments in hospitals, clinics and in individual physician offices ("non-retail outlets"). For example, when a person is admitted to a hospital for surgery, many drugs are dispensed to that patient, i.e., anti-inflammatory drugs, infection preventative medication, etc., from within the hospital's own inventory. Data for drugs delivered to the non-retail outlets, for patient consumption, is not maintained in any consistent manner and certainly is not as comprehensive as the data received relating to deliveries to retail outlets. Hospitals and other

25

WO 2004/053763 PCT/US2002/039248

non-retail outlets are under no requirement to provide data of the same magnitude as the retail outlets. Further, the non-retail portion of the market is comprised of a complex matrix of non-retail outlets, many of which are affiliated with a common umbrella organization which may or may not do the ordering for multiple non-retail outlets falling thereunder.

Thus, the situation exists where a non-retail outlet may be a key purchaser of an expensive drug, a fact a pharmaceutical company would surely want to know in order to better cater to that non-retail outlet and physicians affiliated therewith, yet appear not to be such a purchaser because the data relating to the deliveries to the non-retail outlet does not exist in a comprehendible form. Thus, it is difficult to get a clear understanding of the respective market shares of drug purchases from pharmaceutical manufacturers, and regional analysis of the above. Accordingly, there exists a need for a technique to provide comprehensive record information of pharmaceutical sales to non-retail outlets.

5

20

30

OBJECTS AND SUMMARY OF THE INVENTION

An object of the present invention is to receive pharmaceutical delivery information pertaining to the sales of pharmaceuticals, from manufacturers and other distributors to non-retail outlets, and augment the pharmaceutical delivery information by inter-relating one or more reference datum, where the reference datum shares at least one cross relational property with the pharmaceutical delivery information.

It is a further object of the present invention to provide for multiple un-related types of reference datum, where the reference datum provides more detailed information than that originally contained in the non-augmented pharmaceutical delivery information.

In order to achieve these objectives, as well as others which will become apparent in the disclosure below, the present invention provides techniques for the manipulation and inter-relation of various types of reference datum to pharmaceutical delivery information ("the extract") to create a comprehensive data output of pharmaceutical sales/deliveries to non-retail outlets. Non-retail sales/delivery data may be received on a weekly or monthly basis ("the extract") from a number of manufacturers or distributors. Manufacturers or distributors supply pharmaceutical delivery information that may display sales/delivery of pharmaceuticals to a plurality of non-retail outlets. The majority of such data is wholly inadequate for any type of meaningful analysis and at most provides a unique code of an outlet which received a delivery, as a consequence of an order placed with a

PCT/US2002/039248 WO 2004/053763

manufacturer or distributor; the pharmaceutical delivered; the zip code of the outlet the pharmaceutical was delivered; date of delivery; and the quantity. Since such data are not uniform and fairly un-useful in its native form, the present invention provides a technique which adapts to perform a complex inter-relationship, together with predictive modeling, to better populate the extract, such that the extract becomes as comprehensive and usable as the retail sales data.

In a preferred embodiment, the extract is inter-related with reference datum that includes an exhaustive list of non-retail outlets and facilities.

In another preferred embodiment, the extract is inter-related with reference datum that includes an exhaustive list of facilities and individual physicians that are affiliated with those facilities. Preferably, this inter-relation is performed after the above inter-relation of the exhaustive list of non-retail outlets and facilities with the extract.

In yet another preferred embodiment, the extract is inter-related with reference datum that includes postal zip code information relating to the facilities. Advantageously, 15 where a facility is known for a given non-retail outlet, the postal zip code for the facility is provided from the reference datum. The extract may be updated accordingly. Where a facility for a non-retail outlet is not known, a virtual facility for the zip code in which the non-retail outlet sits is created and deliveries/sales to that outlet are associated with the virtual facility. The virtual facility may advantageously be used as a placeholder until an actual facility to outlet relationship is available for one or more non-retail outlets.

In yet another preferred embodiment, the extract is inter-related with reference datum that includes diagnosis-treatment information. This data set may provide a cross reference between a pharmaceutical and diagnosis, e.g., cancer. Further, other types of reference datum may be used to be inter-related with the extract.

20

25

BRIEF DESCRIPTION OF THE DRAWINGS

For a complete understanding of the present invention and the advantages thereof, reference is now made to the following description taken in conjunction with the accompanying drawings in which like reference numbers indicate like features, components and method steps, and wherein:

15

FIG. 1 is an illustration of the basic process flow of prescription drugs in the pharmaceutical industry;

FIG. 2 is an illustration of the hierarchy of non-retail sales organizations in the pharmaceutical industry;

FIG. 3 is a system diagram in accordance a preferred embodiment of the present invention;

FIG. 4 is a flow diagram of the technique of augmenting the pharmaceutical delivery information in accordance with a preferred embodiment of the present invention; and

FIG. 5 is an example of pharmaceutical delivery information and the interrelation with reference datum in accordance with a preferred embodiment of the present invention.

DESCRIPTION OF AN EXEMPLARY EMBODIMENT

FIG. 1 illustrates the basic process flow of drugs in the pharmaceutical industry. A pharmaceutical industry manufacturer 102 or warehouse 104 (also referred to herein as "distributor") supplies pharmaceuticals directly to a plurality of outlets 106. Outlets 106 may be retail outlets 108 or non-retail outlets 110. Pharmaceuticals from a manufacturer 102 or warehouse 104 may be delivered to retail outlets 108, such as the commonly known "drug store", which are subsequently dispensed to patients in accordance with prescriptions 112 written by individual physicians, as illustrated in lines 120, 122. Pharmaceuticals from a manufacturer 102 or warehouse 104 may also be delivered to non-retail outlets 110, where non-retail outlets, as defined above may include hospitals, departments with hospital, medical clinics, individual physician offices, etc., as illustrated in lines 124, 126, for filling prescriptions prescribed and filled therein.

Referring to FIG. 2, a series of non-retail outlets 202, 203, 204 are associated

25 with a facility 210 or other ancillary unit 212, 214, 216. A facility 210, or ancillary unit 212,

214, 216, is a logical grouping of non-retail outlets 202, 203, 204 for purposes of statistical

analysis. For example, a facility could be New York University ("NYU") Medical Center,

where non-retail outlets include NYU's Oncology Department, NYU's Malernity Department,

WO 2004/053763 PCT/US2002/039248

and NYU's Pediatric Department. Such a grouping provides for easy analysis of large medical groups/settings.

A facility 210, or ancillary unit 212, 214, 216 may be affiliated with an integrated delivery network ("IDN") 208. An IDN 208, in turn, may be affiliated with a pharmaceutical group purchasing organization ("GPO") 206. Any of the above organizations may order and/or purchase pharmaceuticals from a manufacturer 102 or distributors 104 for non-retail outlets 202, 203, 204, including the non-retail outlets 202, 203, 204 themselves.

The manufacturers 102 and distributors 104 provide the reporting data regarding the pharmaceuticals delivered to non-retail outlets 202, 203, 204. This data may arrive in a variety of manners and depth. Thus, there is no consistency in this reporting. Some reports simply state the drugs delivered, to a non-retail outlet, quantity, and the non-retail outlet's zip code.

The system and method of the present invention "fills the gaps" in the data set provided by the manufacturers 102 and distributors 104, as well as provides a more detailed data picture by inter-relating the data received relating to the deliveries to the non-retail outlets 202, 203, 204 with multiple other reference datum types.

Further, referring to non-retail outlet 203, a non-retail outlet 203 may contain a plurality of sub-outlets 220, 222, 224. This is most common where one physical address, e.g., a medical center building, contains multiple doctor offices or other clinics. The sub-outlets 220, 222, 224 provide for differentiation between these entities physically at the same address.

20

25

30

Referring to FIG. 3, an exemplary embodiment of the present invention will be described below. In the exemplary embodiment, an extraction unit 302 receives pharmaceutical delivery information, also described herein as the extract as indicated above, from manufacturers 102 and distributors 104. The extract data, which at a minimum may only contain a code for an outlet, delivered pharmaceutical, and quantity, receives reference data unit from one or more reference data units 304, 306, 308, 320. Reference data units may include an outlet-facility unit 304, zip code unit 306, facility-affiliated physician unit 320, diagnosis-treatment unit 308, or other reference data unit which cross reference at least one type of data in the extract. Further, after the inter-relation of one or more reference datum, described below, the system and method of the present invention preferably displays aspects

PCT/US2002/039248

WO 2004/053763

20

of the augmented extract to users via clients 312, 314, 316 which are served such data from server unit 310, described below.

Referring to FIG. 4, in operation the extraction unit 302 first receives the extract (input data) from the manufacturers 102 and distributors 104 in step 402. Then in step 406 the extraction unit 302 receives reference datum from the outlet-facility unit 304 that pertains to the relationships between outlets and facilities. For example, outlets "001", "002", "003", and "004", respectively referring to NYU's Oncology Department, NYU's Maternity Department, NYU's Pediatrio Department, and Dr. John Doe Office, all are related the NYU Medical Center ("NYCMC") facility. Thus, the outlet-facility unit 304 provides the matrix of relationships across outlets and facilities. In this way, a subsequent query of the NYU Medical Center facility may be accurately performed.

Referring to FIG. 5, which contains an example of a data record in the extract, in accordance with an exemplary embodiment, the extract is augment by the extraction unit 302 inter-relating like data types to populate unknown data types in the extract. In the example, the "facility" data is void because the extract does not contain facility information. Thus, the extraction unit 302 looks up the outlet reference number, "002", in the reference datum, which reveals that outlet "002" is affiliated or part of the NYU Medical Center Facility. The extraction unit 302 then attempts to provide a zip code for the NYU Medical Center facility. So the extraction unit 302 then preferably requests data from other reference data units. In this example, in step 408 the extraction unit 302 requests postal zip code data from zip code unit 306 to populate the facility zip code field. Further, in a preferred embodiment, if a non-retail outlet in the outlet-facility database does not have a facility associated with it, but a known valid zip code for the outlet is in the data record, a virtual facility is created and all sales data relating to such outlet(s) is related to the virtual facility. A virtual facility, or the sales data related thereto, may be augmented with actual facility data at a later point in time. Here, since the outlet "002" relates to the NYUMC facility, such problem has not been encountered. The data record in the extract is modified accordingly.

In a preferred embodiment of the present invention, this type of cross relational matching is performed to modify the extract to populate the maximum amount of data fields. Further, the extraction unit 302 may be adapted to include the ability to interpolate, also called predictive modeling, sales to sub-outlets 220, 222, 224 based upon prior mapping relations. For example, if in 99 out of 100 instances penicillin delivered to

WO 2004/053763 °CT/US2002/039248

outlet 203 was actually delivered to sub-outlet 220, and the outlet delivery data for the 100th order of penicillin delivered to outlet 203 lacks sub-outlet delivery information, the system can assume the 100th instance was delivered to sub-outlet 220.

After extraction unit 302 inter-relates the reference data from the outletfacility unit 304 and zip code unit 306, in step 410 the present system and method interrelates the augmented extract with facility-affiliated physician data via the facility-affiliated physician unit 320. In this step the extraction unit 302 uses the same type of inter-relation as described above by populating a "physician" field in the extract by keying in on the facility.

Thereafter, in step 412 the present system and method preferably interr-feates the augmented extract with diagnosis-treatment data via the diagnosis-treatment unit 308. The diagnosis-treatment unit 308 is a reference data unit that may contain an accurate list of diagnosis and pharmaceuticals used to treat said diagnosis. In this way, a pharmaceutical prescribed can be inter-related with one or more diagnosis. This inter-relationship is important because it can help a manufacturer determine which facilities and/or outlets to target for advertisement of a particular drug based upon the most common medical use. Thus, the drugs are keyed on in the extract and populated with diagnosis data where available.

Based upon the reference data received and the data already in the extract data record, the extract may be augmented after the reception of one type of reference datum or may need to wait until the reception of multiple types of reference datum. In this way, augmenting the extract in step 414 may be performed multiple times and at varied times.

After the extract is augmented by all available reference datum, the extract is ready to be queried. With so many query options and data from multiple manufacturers and distributors, efficiency as well as security concerns are apparent. To counter balance the efficiency concerns, queries are written into the system, as requested by manufacturers, in a pre-defined manner. Thus, the present system and method may execute a pre-defined query at off-peak usage hours, e.g., overnight, and the results of said predefined queries can be pregenerated such that the presentation of the reporting data to clients may be facilitated in an efficient manner. Since the extract data is at best updated weekly, stale data will not result.

In terms of security, the extraction unit 302 preferably only allows a client, where one or more clients are affiliated with a unique manufacturer, to view the results of queries

WO 2004/053763 PCT/US2002/039248

requested by that client's affiliated manufacturer. In a preferred embodiment, the queries requested by a manufacturer are constrained by specific confidential rules. Such confidentially rules may include that (1) a manufacturer may not formulate a query of data related to the specific sales of a particular pharmaceutical produced by a competitive manufacturer; (2) a manufacturer may formulate a query to see the trend of a particular pharmaceutical produced by a competitive manufacturer, where a trend is simply one of a "up," "down" or "no activity" indicator, illustrating if a particular pharmaceutical from a competitive manufacturer has exceed a predefined fixed percentage threshold set by the querying manufacturer; and/or (3) a manufacturer may be permitted to formulate a query relating to the specific sales of a particular pharmaceutical if such query requests a grouping of sales data of three or more competitive manufacturers in a form where individual manufacturer data cannot be parsed. Preferably, a manufacturer may also be permitted to formulate a query of sales data related to a particular pharmaceutical for a competitive manufacturer only if such particular pharmaceutical is queried at a territory level, where a territory includes multiple zip codes, and where such territory include a minimum predefined number of non-retail outlets in such territory. This is simply the first level of security. In addition to this level of security, the clients preferably have unique login information to properly identify and authenticate the end users. Clients 312, 314, 316 are served with the reporting data via server 310 (also see step 416 of FIG. 4).

Extraction unit 302, outlet-facility unit 304, zip code unit 306, facilityaffiliated physician unit 320, diagnosis-treatment unit 308, and server unit 310 communicate
and pass data over data bus 322. Data bus 322 also comprises a database for the caching of
data, when needed as between the above aforementioned units.

20

The above system and method may be implemented by many computer

25 languages commonly known in the art and may operate on many computer platforms which
include both volatile and non-volatile memory storage devices. In a preferred embodiment,
the system and method of the present invention is implemented, in whole or in part, in a
multi-tiered architecture consisting of a mainfarane computer and distributed network servers,
including Unix and windows web servers. Software code encapsulating the functionality of
the present inventive technique may be implemented on such computer systems, preferably
written in COBOL, SAS, JCL, C, C, ++, Kom/Unix Shell, ASP, and/or Visual Basic.
Preferably data and the results of the data queries are stored in one or more relational

WO 2004/053763 °CT/US2002/039248

databases, which provide resultant data to a graphical user interface ("GUI"), where the GUI features a presentation layer included therein. Further, the system and method of the present invention, as described above, may alternatively be implemented on transportable media, preferably a CD-ROM.

Although the invention has been described herein by reference to an exemplary embodiment thereof, it will be understood that such embodiment is susceptible of modification and variation without departing from the inventive concepts disclosed. All such modifications and variations, therefore, are intended to be encompassed within the spirit and scope of the appended claims.

5

CLAIMS

- A system for inter-relating pharmaceutical delivery information from a manufacturer or distributor of pharmaceuticals with one or more reference datum, comprisins:
- 5 an input for receiving said pharmaceutical delivery information; a reference data unit storing said one or more reference datum, said reference datum sharing at least one cross relational property to said pharmaceutical delivery information:
 - an extraction unit, coupled to said input and receiving pharmaceutical delivery information therefrom, and coupled to said reference data unit and receiving said one or more reference datum therefrom, for augmenting said pharmaceutical delivery information in order to provide pharmaceutical delivery information with inter-related reference datum.
- 2. The system of claim 1, wherein said reference data unit comprises an outlet-facility unit for providing relationship information between an outlet and a facility, said

 extraction unit receiving said relationship information and augmenting said pharmaceutical delivery information to include said relationship information with said facility.
 - 3. The system of claim 2, wherein said extraction unit uses interpolation to augment said pharmaceutical delivery information based upon said relationship information of prior purchases of pharmaceuticals contained in said pharmaceutical delivery information, said pharmaceuticals being delivered to sub-outlets.
 - The system of claim 2, wherein said reference data unit comprises a zip code unit providing postal zip code pertaining to said facility.
- The system of claim 2, wherein said reference data unit comprises a zip code
 unit providing a virtual facility for a zip code for one or more outlets in said zip code which
 are not related to an actual facility.
 - 6. The system of claim 2, wherein said reference data unit comprises a facility-affiliated physician unit providing physician information between facilities and physicians practicing in said facilities, said extraction unit receiving said physician information and augmenting said physician information.
- The system of claim 1, wherein said reference data unit comprises a diagnosistreatment unit providing a cross reference between pharmsceuticals and medical diagnosis,

WO 2004/053763 °CT/US2002/039248

said extraction unit receiving said cross reference and augmenting said pharmaceutical delivery information to include said cross reference information.

- The system of claim 7, wherein said data from said diagnosis-prescription unit is retrieved from an external database.
- The system of claim 1 further comprising a server unit, said server unit providing reports to clients, said reports generated from pre-defined queries.

5

20

- The system of claim 1, wherein said extract data is received weekly.
- The system of claim 1, wherein said extract data is received monthly.
- 12. A method for inter-relating pharmaceutical delivery information from a manufacturer or distributor of pharmaceuticals with one or more reference datum, comprising:

receiving an input comprising pharmaceutical delivery information;
receiving one or more reference datum, said reference datum sharing at least
one cross relational property to a data type in said pharmaceutical delivery information; and
augmenting said pharmaceutical delivery information by inter-relating said '
data type in said pharmaceutical delivery information with said one or more reference datum
in order to provide pharmaceutical delivery information with inter-related reference datum.

- 13. The method of claim 12, wherein said step of receiving said one or more reference datum comprises receiving data pertaining to a relationship between an outlet and a facility.
- 14. The method of claim 13, wherein said step of receiving said one or more reference datum comprises receiving zip code data pertaining to said facility.
 - The method of claim 14, wherein said zip code is an actual postal zip code.
- 16. The method of claim 13, wherein said step of receiving said one or more reference datum comprises receiving a virtual facility to relate to an outlet, said virtual facility being associated with an actual zip code.
 - 17. The method of claim 12, wherein said step of receiving said one or more reference datum comprises receiving data pertaining to a relationship between facilities and physicians.

- 18. The method of claim 12, wherein said step of receiving said one or more reference datum comprises receiving diagnosis-treatment data, said diagnosis-treatment data comprising the inter-relationship between a pharmaceutical and at least one diagnosis.
- The method of claim 18, wherein said diagnosis-treatment data is retrieved from an external database.
- The method of claim 12 further comprising transmitting reports generated from queries of said pharmaceutical delivery information to clients.
 - The method of claim 12, wherein said extract data is received weekly.
 - 22. The method of claim 12, wherein said extract data is received monthly.

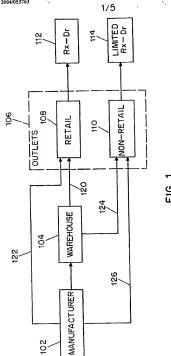
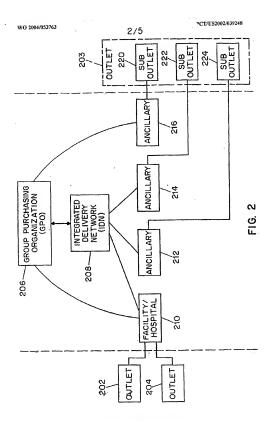
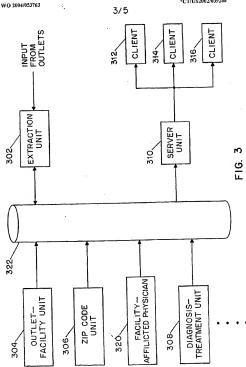


EXHIBIT 7

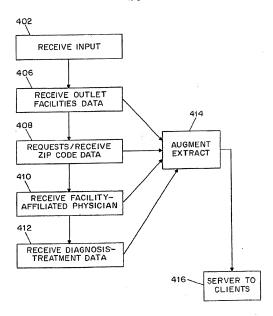


SUBSTITUTE SHEFT INIII # 961



SUBSTITUTE SHEFT (RUI F 26)

EXHIBIT 7



F1G. 4

SUBSTITUTE SHEET (RULE 26)

SUBSTITUTE SHEET (RULE 26).

FACILITY

*200 OUTLET

302

OUTLET

005 003 004

001

INTERNATION. SEARCH REPORT

Interne application No.
PCT/US02/39248

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) = Cop(6) 1760 US CL : 705/28 According to International Patent Classification (IPC) or to both sudopal elassification and IPC II. FILLUS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S.: 705/28				
Documentation searched other than minimum documentation to the	extent that such documents are an income	, in the riches and called		
Electronic data base consulted during the international search (usame of data base and, where practicable, search terms used) West - USPatents, Pick; Derwent				
C. DOCUMENTS CONSIDERED TO BE RELEVANT		W. C		
Category * Citation of document, with indication, where app	ropriate, of the relevant passages	Relevant to claim No.		
193 (2020) 11 152 A ((4L)DESE et al.) 15 August 2 (202) (1901) 3, (1001) (1902) (2003). A US 6,249,774 B1 ((5D) (2E), et al.) 15 June 2001(19.) 99; et. 3, line 9-04. 1, line 90; et. 5, line 90; et. 6, line 90; et.	002 (15.08.2002), Fig. 1, Abstract, 06.2001), Figs. 1-3; col. 2, lines 11- 6, fine 2; col. 7, line 56-col. 8, line (30.05.2002) Figs. 1-3, Abstract, (0031]-[0037], [0077], [0086]-	1-22 1-22 1-22		
Further documents are listed in the continuation of Box C.				
	P tater document published of er the last	amazional Glice date or attority		
 Special categories of chad documents: "A" document defining the general state of the art which is not considered to be of particular reformers. "B" earlier application or panets published on or after the international filling dote. 	date and not in condition with the appli principle or theory underlying the law "X" document of particular reterance; the conditioned novel or caretor be consid when the document is tuben alone	ication but cited to understand the readon s cisimed havestion cannot be		
"L" document which may throw doubts on principy chient(s) or which is cised to establish the publication date of aerobar obtation or other special reason (as specialted) "O" document referring to an oral direlevere, use, exhibition or other means	"Y" document of particular relevance; the considered to involve an invention as combined with one or more other ass being obvious to a person stalling in a	op when the document at th documents, such combination		
P decement published prior to the international filling date but later than the priority date claimed	•A* document member of the same poten			
Date of the actual completion of the international search	Date of mailing of the international at 2 9 MAY 200	3 rch report		
11 March 2003 (11.03.2003)	Authorized officer			
Name and mailing address of the ISA/US Commissioner of Parent and Tratemarks Box PCT Watkingon, D. C. 20231	Richard Chilcon			
Facsimile No. (703)305-3230 Telephone No. (703) 308-1113				

Form PCT/ISA/210 (second sheet) (July 1998)

TENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant or segent's file reference FOR FURTHER ACTION Poles (FURTHER) Series (F					N -10	d Committee of Parish Record		
Applicant This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of			or agent's file reference		(Form PC below.	T/ISA/220) as well as, where applicable, item 5		
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the international Enross. This international search report consist of a total of				International filing date (day/mon 06 December 2002 (06.12.2002)	th/year)	(Harliest) Priority Date (day/month/year)		
applicant according to Article 18. A copy is being transmitted to the international Bureau. This international search report consists of a total of			TH INCORPORATED					
Desire of the Resport No. Proceed Proc	appli	applicant according to Article 18. A copy Is being transmitted to the International Bureau.						
With signed to the language, the international search was carried out on the basis of the international displication in the language, in which it was filled, unless otherwise indicated under this international specification in the language, in which it was filled under control to the state of a translation of the international specification furnished to this Authority (Role 23.1(6)).		\sim	-	by a copy of each prior art docu	ment cite	d in this report.		
Anthority (Role 2.3.1(b)). With regard to any nucleoted and/or annino acid sequence disclored in the international application, the international search was carried out on the basis of the sequence listing: contained in the international epicitation is written form. filed together with the international application in computer readable form. furnished subsequency to this Authority in computer readable form. furnished subsequency to disk Authority is international sequence in the international epicitations at left has been demandabled. the statement that the subsequency furnished vertices sequence listing does not go beyond the disclosure in the international epicitations as filed has been international epicitations as filed has been international epicitations as filed has been substituted. Certain claims were found unsearchable (See Box I). Unity of invention is lacking (See Box II). Unity of invention is lacking (See Box II). With regard to the rities. the text is approved as submitted by the applicant. the text has been established by this Authority to read as follows: 5. With regard to the abstract, the text has been established, excording to Rule 33.2(b), by this Authority as it appears in Box III. The applicant may, within our menth from the date of railing of this international search report, submit comments to this Authority. 6. The figure of the drawings to be published with the abstract is Figure No. 4 as suggested by the applicant. None of the figures		a. V	With regard to the language, anguage in which it was filed	, unless otherwise indicated under	this item.			
filed together with the international application in computer readable form. furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readable form. furnished subsequently to this Authority in computer readable form. the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international applications and filed have been furnished. the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished. Certain claims were found unescarchable (See Box II). Unit) of invention is lacking (See Box II). Unit) report do the rities. the test is approved as submitted by the applicant. the test is approved as submitted by the applicant. the test is approved as submitted by the applicant. the test has been established, excerding to Rule 33.2(0), by this Authority as it appears in Box III. The applicant may, within our menth from the date of nailing of this international search report, submit comments to this Authority. The figure of the drawings to be published with the abstract is Figure No. 4 as auggested by the applicant. See the experiment failed to suggest a figure.	t		Authority (Rule 23.1(b)). With regard to any nucleotide	and/or amino acid sequence disc				
furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readable form. the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. the statement that the information recorded to computer readable form is identical to the written sequence listing has been furnished. 2. Certain claims were found unsearchable (See Box I). 3. Unity of invention is lacking (See Box II). 4. With regard to the citie, the text is approved as submitted by the applicant. the text has been established by this Authority to read as follows: 5. With regard to the abstract, the text is approved as submitted by the applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one meanth from the date of raziling of this international search report, submit comments to this Authority. 8. The figure of the drawings to be published with the abstract is Figure No. 4 as suggested by the applicant. because the applicant infect to suggest a figure.			contained in the internation	al application in written form.				
furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readable form. the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. the statement that the information recorded to computer readable form is identical to the written sequence listing has been furnished. 2. Certain claims were found unsearchable (See Box I). 3. Unity of invention is lacking (See Box II). 4. With regard to the citie, the text is approved as submitted by the applicant. the text has been established by this Authority to read as follows: 5. With regard to the abstract, the text is approved as submitted by the applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one meanth from the date of raziling of this international search report, submit comments to this Authority. 8. The figure of the drawings to be published with the abstract is Figure No. 4 as suggested by the applicant. because the applicant infect to suggest a figure.						m.		
formisted subsequently to this Authority in computer readable form. the statement that the subsequently farished written sequence listing does not go beyond the disclosure in the international explications as lefted has been installed. the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished. Certain claims were found unsearchable (See Box I).		Ħ	-					
the statement due the enbesquently installed written sequence listing does not go beyond the disclosure in tha international applications and Effect have foundational. the statement that the information recorded in computer readable from is identical to the written sequence listing has been furnished. Certain claims were found suscertable (See Box I). Unity of viewation is lacking (See Box II). With regard to the either. the text has been established by this Authority to read as follows: With regard to the abstract, the text is approved as submitted by the applicant. the text has been established, executing to Role 33.(0), by this Authority as it appears in Box III. The applicant may, within one menth from the other of mailing of this international search seport, submit economics to this Authority. The figure of the drawings to be published with the abstract is Figure No. 4 as suggested by the applicant. because the applicant all to suggest a figure.				•	form			
the streement that the information recorded in computer readable from is identical to the written sequence listing has been furnished. Certain claims were found usescardable (See Box I). Subject of invention is lacking (See Box II). With regard to the either in approved as submitted by the applicant. the text has been established by this Authority to read as follows: With regard to the abstract, the text is approved as submitted by the applicant. the text has been established, executing no Role 38.2(0), by this Authority as it appears in Box III. The applicant may, within one menth from the date of mailing of this international search seport, submit occurrences to this Authority. The figure of the drawings to be published with the abstract is Figure No. 4 as suggested by the applicant. because the applicant falled to suggest a figure.			the statement that the subse	quently furnished written sequence		es not go beyond the disclosure in the		
Duly of levestion is lacking (See Box II). With regard to the cities, the text is approved as rebunited by the applicant. the text has been established by this Authority to read as follows: With regard to the abstract, the text is approved as rebunited by the applicant. the text has been established, according to Role 39.2(b), by this Authority as it appears in Box III. The applicant may, within one menth from the date of railing of this international search report, submit comments to this Authority. The figure of the drawings to be published with the abstract is Figure No. 4 as suggested by the applicant. because the applicant filled to suggest a figure.			the statement that the inform		olo form is	identical to the written sequence listing has		
4. With regard to the sites, the next has been established by the applicant. the next has been established by this Authority to read as follows: 5. With regard to the abstract, the text is approved as submitted by the applicant. the text is approved as submitted by the applicant. the text has been established, according to Rule 33.20), by this Authority as it appears in Box III. The applicant may, within our menth from the date of realling of this international search report, rabunit comments to this Authority. 6. The figure of the drawings to be published with the abstract is Figure No. 4 as suggested by the applicant. because the applicant failed to suggest a figure.	2.		Certain claims were found unsearchable (See Box I).					
the nort has been established by this Authority to read as follows: 5. With regard to the abstract, the text is approved as submitted by the applicant. the text has been established, according to Role 38.2(b), by this Authority as it appears in Box III. The applicant may, within one mouth from the date of nealling of this international search report, rabunit comments to this Authority. 6. The figure of the drawings to be published with the abstract is Figure No. 4 as suggested by the applicant. because the applicational to suggest a figure.		With r		ng (See Box II).				
5. With regard to the abstract, the text is approved as submitted by the applicant. the text has proved as submitted by the applicant. the text has been established, exceeding to Rule 38.2(0), by this Authority as it appears in Box III. The applicant may within one menth from the other of nailling of this international search report, relumit occuments to this Authority. 6. The figure of the drawings to be published with the absurant is Figure No. 4 as suggested by the applicant. because the applicant failed to suggest a figure. None of the figures		\boxtimes	the text is approved as submitted by the applicant.					
the text is approved as submitted by the applicant. the text has been established, according to Rate 38.2(0), by this Authority as it appears in Box III. The applicant may, within one menth from the date of smalling of this international search report, rabunit comments to this Authority. 6. The figure of the drawings to be published with the absurant is Figure No. 4 a suggested by the applicant. None of the figures because the applicant falled to suggest a figure.			the text has been established by this Authority to read as follows:					
the text has been established, exceeding to Rate 38.20(), by this Authority as it appears in Rec III. The applicant may, within one meanth from the other of mailling of this international search report, relunit occurrents to this Authority. 6. The figure of the drawings to be published with the abstract is Figure No. 4 as suggested by the applicament. None of the figures	5.	With r	egard to the abstract,					
may, within one menth from the date of mailing of this international search report, submit comments to this Authority. 6. The figure of the drawings to be published with the abstract is Figure No. 4 as suggested by the applicant. None of the figures because the applicant failed to suggest a figure.			the text is approved as subs	nitted by the applicant.				
as suggested by the applicans. None of the figures because the applicant failed to suggest a figure.		\boxtimes	the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this					
because the applicant failed to suggest a figure.	6. The figure of the drawings to be published with the abstract is Figure No				No. 4	_		
			as suggested by the applica	ni.		None of the figures		
because this figure botter characterizes the invention.		П	because the applicant failed	to suggest a figure.				
		\boxtimes	because this figure better of	haracterizes the invention.				

Form PCT/ISA/210 (first sheet) (July 1998)

INTERNATIC SEARCH REPORT

Interne al application No.

BOX III TEXT OF THE ABSTRACT	(Continuation of Item 5 of the first sheet)

NEW ABSTRACT

The sechnical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

A system and method of inter-relating multiple data types to provide a comprehensive data couput reflecting non-reall sales of pharmacouticals is disclosed. In particular, the system and method of the present invention provides for receiving, non-retail pharmacoutical deliver no condets from mentalizer or destinations, where the first primarily increasiness and features meany voide (102, 109, 202-209). The present invention have the primarily increasiness and features meany voide (102, 109, 202-209). The present invention have the pharmacoutical deliver dataset from the convent (402, 412) as now relativation means to ensure that we do not the pharmacoutical deliver information are populated and/or verified (416). The present invention dise provides means to configure pre-defined queries of the data contact for efficient services of experts of clines (419).

Form PCT/ISA/210 (continuation of first sheet(2)) (July 1998)

CATENT COOPERATION TREATY

00 00H 0 HH 2* 0/

From the INTERNATIONAL SEARCHING AUTHORITY	
To: PAUL A. RAGUSA BAKER BOTTS L. L. P.	PCT
30 ROCKEFELLER PLAZA NEW YORK, NY 10112-4498	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION
	(PCT Rule 44.1)
	Date of Mailing (day/month/year) 2 9 MAY 2003
Applicant's or agent's file reference 35477-PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US02/39248	International filing date (day/month/year) 06 December 2002 (06.12.2002)
Applicant j	
IMS HEALTH INCORPORATED	
The applicant is hereby sotified that the International search	h report has been established and is transmitted herewith.
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the cla	ims of the international application (see Rule 46):
international seasch report.	normally two months from the date of transmittal of the
Where? Directly to the International Bureau of WIPO (211 Geneva 20, Switzerland, Facelmille No.	1, 34, chemin des Colombettes 1 (41-22) 740.14.35
For more detailed instructions, see the notes on the se	
 The applicant is hereby notified that no interestional scarce Article 17(2)(a) to that effect is transmitted herewith. 	
3. With regard to the protest against payment of (an) additi	ional fee(s) under Rule 40.2, the applicant is notified that:
configurative request to forward the texts of both the	on transmitted to the International Bureau together with the protest and the decision thereon to the designated Offices.
no decition has been made yet on the protest; the app	plicant will be notified as zoon as a decision is made.
4. Reminders	I the settlehed by the International Burnau. If the
each the International Bureau as provided in Rules 90 bis.1	and application will be published by the International Bureau. If the thickness of the international application, or of the priority claim, must and 90 btr.3, respectively, before the completion of the technical
examination must be filed if the applicant wishes to pospose to (in some Offices even later); otherwise the applicant must, wife entry into the national phase before those designated Offices.	of some designated Offices, a demand for international preliminary e cetry into the national phase until 30 months from the priority date him 20 months from the priority date, perform the prescribed acts for
In respect of other designated Offices, the time limit of 30 ment	hs (or later) will apply even if no demand is filed within 19 months.
See the Annex to Form PCT/IB/301 and, for details about the a Volume II, National Chapters and the WIPO Internet site.	pplicable time limits, Office by Office, see the PCT Applicans's Guide,
Name and mailing address of the ISA/US	Authorized officer
Commissioner for Petents Box PCT	Richard Chilcot
Washington, D.C. 20231 Passimile No. (703)305-3230	Telephons No. (703) 308-1113 (See notes on accompanying sheet)
Form PCT/ISA/220 (April 2002)	(See your on accompanying street)
	Decketed //
Sugares in Dakes	* I I I I I I I I I I I I I I I I I I I
A 3	

EXHIBIT 7

PCT

: 1 /

NOTICE INFORMING THE APPLICANT OF THE COMMUNICATION OF THE INTERNATIONAL APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

RAGUSA, Paul, A. Baker Botts LLP 30 Rockefeller Plaza New York, NY 10112-4498

Foreign Doot.

JUN 3 0 2064 ETATS-UNIS D'AMERIQUE

Date of mailing (day/month/year) 24 June 2004 (24.06.2004) Applicant's or agent's file reference 35477-PCT

RECEIVED IMPORTANT NOTICE BOTTS, L.L.P. Priority date (day/month/year) . AM IO: 35

International filing date (day/month/year) International application No. 06 December 2002 (06.12.2002) PCT/US2002/039248 TO Applicant IMS HEALTH INCORPORATED et al

1. Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this notice:

AU, AZ, BY, CH, CN, CO, DZ, EP, HU, JP, KG, KP, KR, MD, MK, MZ, RU, TM, US

In accordance with Rule 47.1(e), third sentence, those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application to the designand Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time

AE, AG, AL, AM, AP, AT, BA, BB, BG, BR, BZ, CA, CR, CU, CZ, DE, DK, DM, EA, EO, EE, ES, FI, GB, QD, GE, GH, GM, FH, ID, IL, IN, IS, KE, KZ, LO, LK, LR, LS, LT, LU, LY, MA, MG, MN, MN, MN, MN, MN, CO, AC, OM, FH, FL, FT, FO, SC, SD, SE, SG, SK, SL, TL, TI, TR, TT, TZ, UA, DC, TZ, VC, WI, TU, ZZ, ZJA, ZW

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(e-bit)).

- Enclosed with this notice is a cupy of the international application as published by the International Bureau on 24 June 2004 (24.06.2004) under No. WO 2004/053763
- 4. TIME LIMITS for filing a demand for international preliminary examination and for entry into the national phase

The applicable time limit for entering the national phase will, subject to what is said in the following paragraph, be 30 MONTHS from Low appurases une mus nor entering ne national pinne witt, subject to what it saids in the following paragraph, be 30 MONTHIS from the priority date, not only in respect of any decied office it of a demand for interminotal preliminary extantiation is filled before the experience of 19 months from the priority date, but also in respect of any designated Office, in the absence of filling of such demand, where Article 22(1) is modified with effect from 1. April 2002 applies in respect of the designated Office, for Further details, see PCC Genetic Article 22(1) is modified with effect from 1. April 2002 applies in respect of the designated Office, for Further details, see PCC Genetic Article 22(1) is modified with effect from 1. April 2002 applies in respect of the designated Office, for Further details, see PCC Genetic Article 22(1) is modified with effect of the priority of the prior Pebruary 2002 issues

In practice, time limits other than the 30-month time limit will continue to apply, for various periods of time, in respect of certain designated or elected Offices. For regular updates on the applicable time limits (20, 21, 30 or 31 months; or other time limit), Office by Office, refer to the PCT designe, the PCT Horstern and the PCT Applicant's Guide, Volume II, National Claspare, all available from WIPO's Linemett as, situation whop instruction affects than 10.

For filing a demand for International preliminary examination, see the PCT Applicant's Guide, Volume IJA, Chapter IX. Only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international periminary examination (as present, all PCT Contracting States are bound by Chapter II).

It is the applicant's sole responsibility to monitor all these time limits.

Authorized officer The International Burnau of WIPO Yoshiko Kuwahara 34. chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.+41 22 338 90 90 Facsimile No.+41 22 740 14 35

Form PCT/IB/308 (April 2002)



United States Patent and Trademark Office

NITED STATES DEPARTMENT OF COMMER histed States Patent and Trademark Office Mess: COMMISSIONER FOR PATENTS PO. Box 1959 Alterdata Veigles 2010-1459

Contraction of the Contraction o	www.asphagov			
U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT		Y, DOCKET NO.	
10/537.474	David Wapen BADGER	A35477 P	CT USA (065855.)	
	David Wapon BADGER	INTERNATIONAL AP		
Paul A. Ragusa Baker Botts LLP	00000	PCT/US02		
30 Rockefeller Plaza	PARTICIPATION -	LA, FILING DATE	PRIORITY DATE	
New York, NY 10112	THE STATES	12/06/2002		

OCT 1 2008

CONFIRMATION NO. 3259 371

ABANDONMENT/TERMINATION

LETTER

Date Mailed: 09/26/2008

NOTIFICATION OF ABANDONMENT

The United States Patent and Trademark Office in its capacity as a Designated / Elected Office (37 CFR 1.495) has made the following determination:

 Applicant has failed to respond to the notification of MISSING REQUIREMENTS (Form PCT/DO/EO/905), mailed 01/22/2008 within the time period set therein.

Therefore, the above identified application falled to meet the requirements of 35 U.S.C. 371 and 37 CFR 1.495, and is ABANDONED AS TO THE UNITED STATES OF AMERICA.

DONNA S GREENE

Telephone: (703) 308-9140 EXT 222

OR J. Chen

DOCKETED FOR

NOV 26 2008 BY ECGE Petition to Perive

page 1 of 1

FORM PCT/00/E0/909 (371 Abandonment Notice)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

 Applicant(s)
 : Badger et al.
 Examiner
 : TBD

 Serial No.
 : 10/537,474
 Confirmation No.
 : 3259

 Filed
 : 06/03/2005
 Group Art Unit
 : TBD

For : A System And Method For Inter-Relating Multiple Data Types

STATEMENT UNDER 37 C.F.R. 1.8(b)(3)

I. Elsie Williams, declare the following:

- I am responsible for checking all incoming mail received from the USPTO.
- I hereby declare that the Notification of Missing Requirements mailed on January 22, 2008 was never received by our office. A copy of the record from our docket management system (CPI) showing that the Notification was never received is attached in support of this assertion.
- 3. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of any patent issuing from the above-captioned patent application.

Date: October 24, 2008

Elsie Williams

Country Application

Friday, October 24, 2008

Page: 1

Client Matter Number: 065855.0354

Country: US SubCase:

Client: IMS HEALTH, INC.

United States of America

Client Reference No: DDD Integrated Views

Resp.Office: NY

Case Type: PCT
Application Status: Abandoned

Status Date: Filing Date: 03-Jun-2005

Application Number: 10/537474

Publication Date:

Patent Number:

Parent/PCT Date: 06-Dec-2002

Parent/PCT Number: PCT/US2002/039248
Parent Issue Number:

Parent Issue Date :

Tax Schedule: LE

Expiration Date:

Confirmation #:

Patent Term Adjustment: 0

Agent: USPTO

Agent Reference #:

U.S. Patent and Trademark Office

PTO Customer Number: 21003

Priority Number: New Family Number:

Historical Family No.: 35477-PCT-USA Matter:

Claims: 0

Annuity Client?: Yes

Tax Start Date:

untry Application			Friday, October 24,
List Of Actions			
Action(s) Due	Due Date		Action Taken
Notice of Publication	06-Jun-2004	Due Date	03-Jun-2005
Assignment	03-Sep-2005	Due Date	08-Nov-2006
Close per Josephine Langellotti			
Declaration/power of attorney	03-Sep-2005	Due Date	08-Nov-2006
Close per Josephine Langellotti			
Formal Drawings due	03-Sep-2005	Due Date	03-Jun-2005
Information Disclosure Stmnt	03-Sep-2005	Due Date	16-Sep-2005
Filing Receipt Rec'd	03-Nov-2005	Reminder	07-Nov-2005
Formal Drawings Follow Up Date	03-Dec-2005	Due Date	03-Jun-2005
Application Status Check	03-Dec-2006	Due Date	27-Feb-2008
Information Dis Follow Up Date	16-Mar-2007	Due Date	14-May-2007
Application Sta Follow Up Date	27-Aug-2008	Due Date	26-Sep-2008
Notice of Abandonment	26-Sep-2008	Due Date	26-Sep-2008
Petition to Revive Reminder	26-Oct-2008	Reminder	
Petition to Revive Due	26-Nov-2008	Final	

 Created By:
 DDAVIS

 User ID:
 ECRUZ

 Date Created:
 22-Jun-2005

 Last Update:
 16-Oct-2008

Page: 2



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONER FOR PATENTS FO. But 1439 Assantia, Virginia 22213-1459

U.S. APPLICATION NUMBER NO.

FIRST NAMED APPLICANT

ATTY, DOCKET NO. A35477 PCT USA (065855.)

10/537,474

New York, NY 10112

Paul A. Ragusa Baker Botts LLP 30 Rockefeller Plaza

INTERNATIONAL APPLICATION NO. PCT/US02/39248 LA. FILING DATE PRIORITY DATE 12/06/2002

CONFIRMATION NO. 3259 ABANDONMENT/TERMINATION

Date Mailed: 09/26/2008

NOTIFICATION OF ABANDONMENT

The United States Patent and Trademark Office in its capacity as a Designated / Elected Office (37 CFR 1.495) has made the following determination:

 Applicant has failed to respond to the notification of MISSING REQUIREMENTS (Form PCT/DO/EO/905), mailed 01/22/2008 within the time period set therein.

Therefore, the above identified application failed to meet the requirements of 35 U.S.C. 371 and 37 CFR 1.495, and is ABANDONED AS TO THE UNITED STATES OF AMERICA.

DONNA S GREENE

Telephone: (703) 308-9140 EXT 222

DOCKETED FOR

NOV 2 6 2008 BY ECCE Petition to Perive

page 1 of 1

FORM PCT/DO/EG/909 (371 Abandonment Notice)

In Re:	Badger et al.		10/537,474
In Re:	(Applicant) IDS	9-16-2005	(Serial No.) 065855.0354 (A35477 PCT USA)
		(D.) \	(File No.)

The stamp of the Patent Office Mail Room hereon acknowledges the receipt of the above-identified papers on the date indicated by such stamp.

ENCLOSED: IDS, PTO 1449, International Search Report

MS AMENDMENT

PATENT

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant:

Badger et al.

Serial No.:

10/537,474

Group Art Unit: TBA

Filed:

June 3, 2005

For:

A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES

INFORMATION DISCLOSURE STATEMENT

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Box 1450, Alexandria, VA 22313-1450 September 16, 2005

Date of Deposit

Manu J. Tejwani Attorney Name

37,952 PTO Registration No.

September 16, 2005 Date of Signature

Commissioner for Patents Box 1450

Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§1.97 and 1.98, applicant respectfully requests that the documents listed on the accompanying PTO 1449 be considered by the Examiner and made of record in the above-referenced application.

The references listed on the accompanying PTO 1449 are listed in the accompanying International Search Report.

Identification of the listed documents is not to be construed as an admission of the applicant or attorneys for applicants that such citations are available as "prior art" against the subject application. If the Examiner applies the documents as prior art against any claim in -1-NY02:529209.1

A35477 PCT USA - 065855.0354

PATENT

the application and applicant determines that the cited documents do not constitute "prior art" under United States law, applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of the documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should the documents be applied against the claims of the present application.

Respectfully submitted,

BAKER BOTTS L.I. P.

By:

30 Rockefeller Plaza New York, NY 10012-4498

212-408-2500 Attorneys for Applicants

Manu J. Tejwani Reg. No. 37,952

APPLICATION NO.

10/537,474

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use several sheets if necessary)			APPLICANT Badger et al.				
			FILING DATE June 3, 2005 GROUP ART UNIT			UNIT	
		U.	S. PATENT DOCUMENTS				
Examiner Initial	Document Number	Date	Inventor Name	Clas	Sub- class	Filing Date (if appropriate)	
	6,249,774	6-19-2001	Roden		-		
				_			
		-		-	+		
		FOR	EIGN PATENT DOCUMENTS				
Examiner Initial	Document Number	Pate Date	Country	Clas	Sub- class	Translation	
	Document Number			Clas		Translation	
	Document Number			Clas		Translation	
Examiner Initial	Document Number			Clas		Translation	

ATTY DOCKET NO.

A35477 PCT USA (065855.0354)

Form PTO-1449 U.S DEPARTMENT OF COMMERCE

PATENT AND TRADEMARK OFFICE

US 2002/0111828 A1; Bloder et al; 8/15/2002 US 2002/0065683 A1;; Pham et al.; May 30, 2002 International Search Report 3/11/2003

(Rev. 2-32)

EXAMINER	DATE CONSIDERED

Document Description

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

NY02:529206.1

Examiner

Initial

			TBA_
In Re:	Badger et al.		(Serial No.)
in Re:	(Amalicant)	6-3-2005	A35477 PCT USA
In Re:	U.S. NATIONAL STAGE	6-3-2003	(065855.
III Ico.	APPLICATION*	(Date)	(File No.)
	cristo of Paner)	(Date)	1 Jodgee the

(Date) (Date)
(Title of Fuper)
(The starp of the Patent Office Mail Room hereon acknowledges the Treatment of the Patent Office Mail Room hereon acknowledges the receipt of the above-identified supers on the date indicated by asent samples of CPTUI2S002039248

Enclosed: Transmittal in duplicate, WO 2004/033743 wl 9 pages Specification, 3 pages of claims 5 shoets of drawings, International Search Report, PCT/IS/220, PCT/IB/908, Check \$1,000.

EXPRESS MAILING NO. ED291601538US MAILED ON JUNE 3, 2005

MS PCT

NY02:487753.1

BAKER BOTTS L.L.

ATTORNEYS AT LAW
30 Rockefeller Plaza
44th and 45th floors
New York New York 10112-0228

INQUIRIES:(212) 705-5000 TAXPAYER I.D. #74-1195457

Invoice No.	Date		Voucher	Gross Amou	nt Disc	count	Net Amou	nt
15425529	06/03/2005		PAR A35477PCTUS 1188543	jl 45flr 1,000.00		0.00	1,000.0	0
							Т	
Check No.	176360	Check	Date 06/03/	2005	/endor No.	11135		
Vendor Name	COMMISSIONER	OF PATENTS	AND	1	Fotal Amount		1,000.00	

Chase Bank, N.A. New York, New York BAKER BOTTS L.L.P.
ATTORNEYS AT LAW
New York Operating Account

CHECK # 176360 DATE 06/03/2005

210

PAY ONE THOUSAND AND 00/100 Dollars

NOT NEGOTIABLE SIX MONTHS FROM THE DATE OF ISSUE TWO SIGNATURES REQUIRED OVER \$2500.00

\$ *******1,000.00

COMMISSIONER OF PATENTS AND TRADEMARKS

THE TRADEMARK

Risen John

#176360# #021000021# #967340306#

EXHIBIT 7

Express Meil Label No.: ED291001838US

Under the Pagement Reduction Act of 1995, no passons are required to respond to a collection of intermetion unless \$4 displays a valid ONE control number.

Express with Education And of the	es no persons are required to respond to a collect	ion of information unless it displays a valid OMB control number.					
Under the Paperwork Reduction Act of 150	THE LIMITED STATES						
TRANSMITTAL LETTER TO	A35477 PCT USA (065855.) U.S. APPLICATION NO. (If known, see 37 CFR 1.5)						
DESIGNATED/ELECTED	U.S. APPLICATION NO. (If known, see 37 GPR 1.0)						
	CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 PRIORITY DATE CLAIMED						
INTERNATIONAL APPLICATION NO. 6 DECEMBER 2002							
PCT/US2002/039248							
TITLE OF INVENTION A SYSTEM AND METHOD FOR I	NTER-RELATING MULTIPLE	DATA TYPES					
APPLICANT(S) FOR DO/EO/US	Louist Manufleo						
David Warren Badger, Dale Benner, Elizab	eth Ann Waldman and Glist Michael	O/US) the following items and other information:					
Applicant herewith submits to the United St	ales Designation and a service of						
This is a FIRST submission of items o							
2. This is a SECOND or SUBSEQUENT	submission of items concerning a submissi	71(ft). The submission must include items					
 This is an express request to begin na (5), (6), (9) and (21) Indicated below. 	tional examination procedures (35 U.S.C. 3	(I)), The summission					
 The US has been elected (Article 31). 		1					
5. A copy of the International Applicati	on as filed (35 U.S.C. 371(c)(2))						
	ed only if not communicated by the Internati	onal Bureau).					
b. has been communicated to	by the International Bureau.	Man Office (BOARS)					
c. is not required, as the app	lication was filed in the United States Reco	one catterial					
	the International Application as filed (36 U.S	5.C. 371(G)(2)).					
a. is attached hereto.							
b. has been previously sub-	mitted under 35 U.S.C. 154(d)(4).	0 (25.11.5 C 371(c)(3))					
Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))							
	quired only if not communicated by the Inter	national Bureau).					
b. have been communicate	ed by the International Bureau.	NOT suried					
	owever, the time limit for making such ame	ndments has NO1 expired.					
d. have not been made an	nd will not be made.	774(2)(2)					
8: An English language translation of	f the amendments to the claims under PCT	Article 19 (35 U.S.C. 37 (C)(3)).					
9. An eath or declaration of the inver	ator(s) (35 U.S.C. 371(c)(4)).						
10. An English language translation of Article 36 (35 U.S.C. 371(c)(5)).	f the annexes of the International Prelimina	ry Examination Report under PC1					
items 11 to 20 below concern docume							
11. An Information Disclosure Statem	ent under 37 CFR 1.97 and 1.98.	and the feet wheel					
12. An assignment document for reco	ording. A separate cover sheet in compliance	e with 37 CFR 3.28 and 3.31 is included.					
13. A preliminary amendment.							
14. An Application Data Sheet under	37 CFR 1.76.						
15. A substitute specification.							
16. A power of attorney and/or change	ge of address letter.	27 CEP 1 821-1 825					
17. A computer-readable form of the	sequence listing in accordance with PCT F	Rule 13ter.z and 37 OFF Cox (* 1.025).					
18. A second copy of the published	International Application under 35 U.S.C. 1	54(d)(4).					
19. A second copy of the English lar	nguage translation of the international applic	cation under 35 U.S.C. 104(0)(4).					
 Other items or information: Publ 	ished Appln. WO 2004/053763 w/Sea	red to obtain or retain a benefit by the public, which is to file (and b and 1.14, This collection is estimated to take 15 minutes to com					
This collection of information is required by 37 CFR	1.414 and 1.491-1.492. The information is requi	and 1 14. This collection is estimated to take 15 minutes to com					

Tax colorion of information is required by 37 CFR 1.414 and 1.461-1.482. The information is required in other or relative 1.464 by 164 p. 2016. Which is to 164 p. for the VISFT OI to proceed by a spitiation. Confederably is governed by 39 LLGs. The set of 1.414 by 164 p. 164

Express Mail Label No.: ED291601538US

U.S. Pater with Trademan Checuton Act of 1995, no persons are nequired to respond to a contention of Historian Checuton Act of 1995, no persons are nequired to respond to a contention of Historian Checuton Act of 1995, no persons are nequired to respond to a contention of Historian Checuton Act of 1995, no persons are nequired to respond to a contention of Historian Checuton.

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO. ATTORNEY'S DOG						CKET NUMBER
0.0.741 20711	PCT/US2002/039248				A35477 PCT USA (065855.) CALCULATIONS PTO USE ONLY	
The folk	The following fees have been submitted					PTO USE ONLY
21.						
22. Exam If International pr	\$ 200.00					
Ag Orber Salashion						
	TOTAL OF 04 02	and 22 =			\$ 900.00	
Additional fe	e for specification	and drawings file	in paper over 100 sheets (ex d in an electronic medium). paper or fraction thereof.	cluding		
Total Sheets	Extra Sheets	Number of each thereof (round o	additional 50 or fraction up to a whole number)	RATE		
- 100 =	0 /50 =		0	x \$250	\$ 0.00	
Surcharge of \$13 claimed priority d	0.00 for furnishing ate (37 CFR 1.492	the oath or declar (e)).	aration later than 30 months fr		\$	
CLAIMS	NUMB	ER FILED	NUMBER EXTRA	RATE	\$	
Total claims	22	- 20 =	2	x \$ 50	\$ 100.00	
Independent clai	ms '2	-3=	0	x \$200	\$ 0.00	_
	ENDENT CLAIM(S			+ \$360	\$ 0.00	
MOETIF EE DET	ETTELTT OF THE	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	TOTAL OF ABOV	E CACULATIONS =	\$ 1,000.00	
Anolicant di	ims small entity s	tatus. See 37 CFI	R 1.27. Fees above are reduced	ed by 1/2.		
				SUBTOTAL =	\$ 1,000.00	
Processing fee of	of \$130.00 for furni date (37 CFR 1.49	shing the English	translation later than 30 mon	ths from the earliest	s	
claimed priority o	ale for or it ino	-(-//)-	TOTAL	NATIONAL FEE =	\$ 1,000.00	
Fee for recording	g the enclosed ass	ignment (37 CFR CFR 3.28, 3.31),	1.21(h)). The assignment mu \$40.00 per property	st be accompanied +	s	
ру ан арргория	C GOTOT CITOUT (CT			EES ENCLOSED =	\$ 1,000.00	
					Amount to be refunded:	s
					Amount to be charged:	s
a. 🗹 A che	ck in the amount o	1,000.00	to cover the ab			
A dup	licate copy of this	sheet is enclosed	02-4377 in the amount of			
c. The Co	ommissioner is he nt No. 02-4377	reby authorized to , A duplicate co	o charge any additional fees w opy of this sheet is enclosed.	rhich may be required	i, or credit any overpay	ment to Deposit t
l be inc	luded on this for	m. Provide credit	VARNING: Information on this card information and authoriz	andi di i i de Ledo.		
NOTE: Where and granted to	an appropriate tir restore the inter	ne limit under 3 national Applica	7 CFR 1.495 has not been m tion to pending status.	et, a petition to revi	ve (37 CFR 1.137(a) o	r (b)) must be filed
SEND ALL CO	RRESPONDENCE	TO:		1		
				SIGNATUR	E	
Paul A. Ragi	usa			Paul A. Re		
BAKER BOT	TS LLP			NAME		
30 Rockefell New York, N	er r1828 IY 10112			38,587		
I TOTAL TOTAL				REGISTRA	TION NUMBER	
	0-1390 (REV. 02-20	05)	Page 2	of 2		

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 24 June 2004 (24.06.2004)

PCT

English

(10) International Publication Number

(51) International Patent Classification7: G06F 17/60

(21) International Application Number: PCT/US2002/039248

(22) International Filing Date: 6 December 2002 (06.12.2002)

(25) Filing Language:

(26) Publication Language: English

(71) Applicant (for all designated States except US): IMS HEALTH INCORPORATED [US/US]; 660 West Germantown Pike, Plymouth Meeting, PA 19462 (US).

(72) Inventors; and

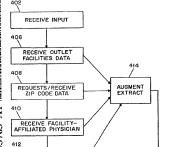
(75) Inventors/Applicants (for US only): BADGER, David, Warren [USI/US]: 528 W. Mt. Vernon Street, Lansdale, PA 19446 (US). BENNER, Dale [USI/US]: 1306 School House Road, Pennsburg, PA 18073 (US). WALDMAN, Elizabeth, Ann [USI/US]: 3 Devon Drive, New Hope, PA 18938 (US). MARAFHE, Girish [IN/US]: 1111 Whitpain WO 2004/053763 A1

HIII., Blue Bell, PA 19422 (US), HERBON, Marjory, Beth (1JSUS); 105 Jonathan Drive, North Welse, PA 19454 (US), DEWITT, Steven, L. (USUS); 170 Cotton Store, 1920; Philadolphia, PA 19127 (US) TRNIL (1914); (US) TIS); 22 Pear Tuec Lane, Lafayette Hill, PA 1944 (US), STOYER, David, J. (US)(18); 1087 Soff Road, East Greenville, PA 18041 (US), SORIA, Luís (USUS); 710 Ringwood Avenne, Pompton Lakes, NJ 07422 (US)

(74) Agent: RAGUSA, Paul, A., Baker Botts LLP, 30 Rockefeller Plaza, New York, NY 10112-4498 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AV, AZ, BA, BB, GB, RF, BF, BC, CA, CH, CN, CO, CC, CU, CZ, DB, DK, DM, DZ, BC, EE, ES, FI, GB, GB, GE, GH, GH, MER, HL, DB, DB, NB, SF, BK, GC, RF, RK, CL, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MK, MY, MK, MY, MK, MY, NY, CN, NZ, OM, PH, PF, RG, RU, SC, SS, SG, SK, SL, TI, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VL, VI, VI, VZ, AZ, MZ, AZW.

[Continued on next page]



(54) Title: A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES

(57) Abstract: A system and method of inter-relating multiple data types to provide a comprehensive data output reflecting non-retail sales of pharmaceuticals is disclosed. In particular, the system and method of the present invention provides for receiving non-retail pharmaceutical delivery information of pharmaceuticals deliver to outlets from manufacturers or distributors, where the data is primarily inconsistent and features many voids (102, 104, 202-204). The present invention inter-relates one or more reference datum from other sources (402-412) in a cross relational manner to ensure that voided fields in the pharmacentical deliver information are populated and/or verified (414). The present invention also provides means to configure pre-defined queries of the data extract for efficient service of reports for clients (416).

WO 2004/053763 A1

RECEIVE DIAGNOSIS-TREATMENT DATA

SERVER TO CLIENTS

416

(84) Designated States (regional): ARIPO patent (GH, GM, ER, LS, MW, MZ, SI), SL, SZ, TZ, UG, ZM, ZW), Burstain patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, DM), Burcopean patent (AT, BE, BG, CH, CY, CZ, DB, DK, EB, SF, HF, RG, GR, HE, TL, UM, CM, HF, TS, SS, SS, TR), OAF! patent (BF, BJ, CF, CG, CL, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, CG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES

FIELD OF THE INVENTION

The present invention is directed to techniques for inter-relating multiple data types, and, in particular, to the manipulation and inter-relation of various types of data to create a augmented comprehensive data output.

BACKGROUND INFORMATION

The pharmaceutical industry is one of the largest income generating industries in the world. However, there are a great number of pharmaceutical companies producing the same or equivalent drugs. Thus, it has become increasing important for these manufacturers to be able to generate data indicating their market share in various geographic regions, as well as the quantity of specific drugs sales in each area.

10

15

At present, manufacturers are able to monitor their retail sales with reasonable accuracy. Retail sales are essentially drug sales to retail stores ("retail outlets"), such as the commonly known "drug store." These retail sales are fairly traceable because the data relating to the deliveries to retail outlets is kept in great detailed.

With this comprehensive data, multiple reports and analysis may be conducted. These reports can be used, for example, to help a manufacturer determine in which geographic regions to focus their efforts to retain or gain market power, determine which physicians to send pharmaceutical samples, and which regions to target due to under performance. The ability to track and trace these retail sales does indeed assist the manufacturers greatly, however, retail sales do not represent the total pharmaceutical market.

A significant portion of the pharmaceutical market involves "non-retail sales."

Non-retail sales are most notably drug sales terminating in hospitals, departments in hospitals, clinics and in individual physician offices ("non-retail outlets"). For example, when a person is admitted to a hospital for surgery, many drugs are dispensed to that patient, i.e., anti-inflammatory drugs, infection preventative medication, etc., from within the hospital's own inventory. Data for drugs delivered to the non-retail outlets, for patient consumption, is not maintained in any consistent manner and certainly is not as comprehensive as the data received relating to deliveries to retail outlets. Hospitals and other

non-retail outlets are under no requirement to provide data of the same magnitude as the retail outlets. Further, the non-retail portion of the market is comprised of a complex matrix of non-retail outlets, many of which are affiliated with a common umbrella organization which may or may not do the ordering for multiple non-retail outlets falling thereunder.

Thus, the situation exists where a non-retail outlet may be a key purchaser of an expensive drug, a fact a pharmaceutical company would surely want to know in order to better cater to that non-retail outlet and physicians affiliated therewith, yet appear not to be such a purchaser because the data relating to the deliveries to the non-retail outlet does not exist in a comprehendible form. Thus, it is difficult to get a clear understanding of the respective market shares of drug purchases from pharmaceutical manufacturers, and regional analysis of the above. Accordingly, there exists a need for a technique to provide comprehensive record information of pharmaceutical sales to non-retail outlets.

5

OBJECTS AND SUMMARY OF THE INVENTION

An object of the present invention is to receive pharmaceutical delivery information pertaining to the sales of pharmaceuticals, from manufacturers and other distributors to non-retail outlets, and augment the pharmaceutical delivery information by inter-relating one or more reference datum, where the reference datum shares at least one cross relational property with the pharmaceutical delivery information.

It is a further object of the present invention to provide for multiple un-related
types of reference datum, where the reference datum provides more detailed information than
that originally contained in the non-augmented pharmaceutical delivery information.

In order to achieve these objectives, as well as others which will become apparent in the disclosure below, the present invention provides techniques for the manipulation and inter-relation of various types of reference datum to pharmaceutical delivery information ("the extract") to create a comprehensive data output of pharmaceutical sales/deliveries to non-retail outlets. Non-retail sales/delivery data may be received on a weekly or monthly basis ("the extract") from a number of manufacturers or distributors. Manufacturers or distributors supply pharmaceutical delivery information that may display sales/delivery of pharmaceuticals to a plurality of non-retail outlets. The majority of such data is wholly inadequate for any type of meaningful analysis and at most provides a unique code of an outlet which received a delivery, as a consequence of an order placed with a

manufacturer or distributor; the pharmaceutical delivered; the zip code of the outlet the pharmaceutical was delivered; date of delivery; and the quantity. Since such data are not uniform and fairly un-useful in its native form, the present invention provides a technique which adapts to perform a complex inter-relationship, together with predictive modeling, to better populate the extract, such that the extract becomes as comprehensive and usable as the retail sales data.

In a preferred embodiment, the extract is inter-related with reference datum that includes an exhaustive list of non-retail outlets and facilities.

5

10

15

20

25

In another preferred embodiment, the extract is inter-related with reference datum that includes an exhaustive list of facilities and individual physicians that are affiliated with those facilities. Preferably, this inter-relation is performed after the above inter-relation of the exhaustive list of non-retail outlets and facilities with the extract.

In yet another preferred embodiment, the extract is inter-related with reference datum that includes postal zip code information relating to the facilities. Advantageously, where a facility is known for a given non-retail outlet, the postal zip code for the facility is provided from the reference datum. The extract may be updated accordingly. Where a facility for a non-retail outlet is not known, a virtual facility for the zip code in which the non-retail outlet sits is created and deliveries/sales to that outlet are associated with the virtual facility. The virtual facility may advantageously be used as a placeholder until an actual facility to outlet relationship is available for one or more non-retail outlets.

In yet another preferred embodiment, the extract is inter-related with reference datum that includes diagnosis-treatment information. This data set may provide a cross reference between a pharmaceutical and diagnosis, e.g., cancer. Further, other types of reference datum may be used to be inter-related with the extract.

BRIEF DESCRIPTION OF THE DRAWINGS

For a complete understanding of the present invention and the advantages thereof, reference is now made to the following description taken in conjunction with the accompanying drawings in which like reference numbers indicate like features, components and method steps, and wherein:

FIG. 1 is an illustration of the basic process flow of prescription drugs in the pharmaceutical industry;

FIG. 2 is an illustration of the hierarchy of non-retail sales organizations in the pharmaceutical industry;

5 FIG. 3 is a system diagram in accordance a preferred embodiment of the present invention;

FIG. 4 is a flow diagram of the technique of augmenting the pharmaceutical delivery information in accordance with a preferred embodiment of the present invention; and

FIG. 5 is an example of pharmaceutical delivery information and the inter-10 relation with reference datum in accordance with a preferred embodiment of the present invention.

DESCRIPTION OF AN EXEMPLARY EMBODIMENT

FIG. 1 illustrates the basic process flow of drugs in the pharmaceutical industry. A pharmaceutical industry manufacturer 102 or warehouse 104 (also referred to herein as "distributor") supplies pharmaceuticals directly to a plurality of outlets 106. Outlets 106 may be retail outlets 108 or non-retail outlets 110. Pharmaceuticals from a manufacturer 102 or warehouse 104 may be delivered to retail outlets 108, such as the commonly known "drug store", which are subsequently dispensed to patients in accordance with prescriptions 112 written by individual physicians, as illustrated in lines 120, 122. Pharmaceuticals from a manufacturer 102 or warehouse 104 may also be delivered to non-retail outlets 110, where non-retail outlets, as defined above may include hospitals, departments with hospital, medical clinics, individual physician offices, etc., as illustrated in lines 124, 126, for filling prescriptions prescribed and filled therein.

20

25

Referring to FIG. 2, a series of non-retail outlets 202, 203, 204 are associated with a facility 210 or other ancillary unit 212, 214, 216. A facility 210, or ancillary unit 212, 214, 216, is a logical grouping of non-retail outlets 202, 203, 204 for purposes of statistical analysis. For example, a facility could be New York University ("NYU") Medical Center, where non-retail outlets include NYU's Oncology Department, NYU's Matemity Department,

and NYU's Pediatric Department. Such a grouping provides for easy analysis of large medical groups/settings.

A facility 210, or ancillary unit 212, 214, 216 may be affiliated with an integrated delivery network ("IDN") 208. An IDN 208, in turn, may be affiliated with a pharmaceutical group purchasing organization ("GPO") 206. Any of the above organizations may order and/or purchase pharmaceuticals from a manufacturer 102 or distributors 104 for non-retail outlets 202, 203, 204, including the non-retail outlets 202, 203, 204 themselves.

The manufacturers 102 and distributors 104 provide the reporting data regarding the pharmaceuticals delivered to non-retail outlets 202, 203, 204. This data may arrive in a variety of manners and depth. Thus, there is no consistency in this reporting. Some reports simply state the drugs delivered, to a non-retail outlet, quantity, and the non-retail outlet's zip code.

10

15

20

25

30

The system and method of the present invention "fills the gaps" in the data set provided by the manufacturers 102 and distributors 104, as well as provides a more detailed data picture by inter-relating the data received relating to the deliveries to the non-retail outlets 202, 203, 204 with multiple other reference datum types.

Further, referring to non-retail outlet 203, a non-retail outlet 203 may contain a plurality of sub-outlets 220, 222, 224. This is most common where one physical address, e.g., a medical center building, contains multiple doctor offices or other clinics. The sub-outlets 220, 222, 224 provide for differentiation between these entities physically at the same address.

Referring to FIG. 3, an exemplary embodiment of the present invention will be described below. In the exemplary embodiment, an extraction unit 302 receives pharmaceutical delivery information, also described herein as the extract as indicated above, from manufacturers 102 and distributors 104. The extract data, which at a minimum may only contain a code for an outlet, delivered pharmaceutical, and quantity, receives reference datum from one or more reference data units 304, 306, 308, 320. Reference data units may include an outlet-facility unit 304, zip code unit 306, facility-affiliated physician unit 320, diagnosis-treatment unit 308, or other reference data unit which cross reference at least one type of data in the extract. Further, after the inter-relation of one or more reference datum, described below, the system and method of the present invention preferably displays aspects

of the augmented extract to users via clients 312, 314, 316 which are served such data from server unit 310, described below.

Referring to FIG. 4, in operation the extraction unit 302 first receives the extract (input data) from the manufacturers 102 and distributors 104 in step 402. Then in step 406 the extraction unit 302 receives reference datum from the outlet-facility unit 304 that pertains to the relationships between outlets and facilities. For example, outlets "001", "002", "003", and "004", respectively referring to NYU's Oncology Department, NYU's Maternity Department, NYU's Pediatric Department, and Dr. John Doe Office, all are related the NYU Medical Center ("NYCMC") facility. Thus, the outlet-facility unit 304 provides the matrix of relationships across outlets and facilities. In this way, a subsequent query of the NYU Medical Center facility may be accurately performed.

5

10

20

30

Referring to FIG. 5, which contains an example of a data record in the extract, in accordance with an exemplary embodiment, the extract is augment by the extraction unit 302 inter-relating like data types to populate unknown data types in the extract. In the example, the "facility" data is void because the extract does not contain facility information. Thus, the extraction unit 302 looks up the outlet reference number, "002", in the reference datum, which reveals that outlet "002" is affiliated or part of the NYU Medical Center Facility. The extraction unit 302 then attempts to provide a zip code for the NYU Medical Center facility. So the extraction unit 302 then preferably requests data from other reference data units. In this example, in step 408 the extraction unit 302 requests postal zip code data from zip code unit 306 to populate the facility zip code field. Further, in a preferred embodiment, if a non-retail outlet in the outlet-facility database does not have a facility associated with it, but a known valid zip code for the outlet is in the data record, a virtual facility is created and all sales data relating to such outlet(s) is related to the virtual facility. A virtual facility, or the sales data related thereto, may be augmented with actual facility data at a later point in time. Here, since the outlet "002" relates to the NYUMC facility, such problem has not been encountered. The data record in the extract is modified accordingly.

In a preferred embodiment of the present invention, this type of cross relational matching is performed to modify the extract to populate the maximum amount of data fields. Further, the extraction unit 302 may be adapted to include the ability to interpolate, also called predictive modeling, sales to sub-outlets 220, 222, 224 based upon prior mapping relations. For example, if in 99 out of 100 instances penicillin delivered to

outlet 203 was actually delivered to sub-outlet 220, and the outlet delivery data for the 100th order of penicillin delivered to outlet 203 lacks sub-outlet delivery information, the system can assume the 100th instance was delivered to sub-outlet 220.

After extraction unit 302 inter-relates the reference data from the outletfacility unit 304 and zip code unit 306, in step 410 the present system and method interrelates the augmented extract with facility-affiliated physician data via the facility-affiliated physician unit 320. In this step the extraction unit 302 uses the same type of inter-relation as described above by populating a "physician" field in the extract by keying in on the facility.

5

10

15

20

25

30

Thereafter, in step 412 the present system and method preferably inter-relates the augmented extract with diagnosis-treatment data via the diagnosis-treatment unit 308. The diagnosis-treatment unit 308 is a reference data unit that may contain an accurate list of diagnosis and pharmaceuticals used to treat said diagnosis. In this way, a pharmaceutical prescribed can be inter-related with one or more diagnosis. This inter-relationship is important because it can help a manufacturer determine which facilities and/or outlets to target for advertisement of a particular drug based upon the most common medical use. Thus, the drugs are keyed on in the extract and populated with diagnosis data where available.

Based upon the reference data received and the data already in the extract data record, the extract may be augmented after the reception of one type of reference datum or may need to wait until the reception of multiple types of reference datum. In this way, augmenting the extract in step 414 may be performed multiple times and at varied times.

After the extract is augmented by all available reference datum, the extract is ready to be queried. With so many query options and data from multiple manufacturers and distributors, efficiency as well as security concerns are apparent. To counter balance the efficiency concerns, queries are written into the system, as requested by manufacturers, in a pre-defined manner. Thus, the present system and method may execute a pre-defined query at off-peak usage hours, e.g., overnight, and the results of said predefined queries can be pregenerated such that the presentation of the reporting data to clients may be facilitated in an efficient manner. Since the extract data is at best updated weekly, stale data will not result. In terms of security, the extraction unit 302 preferably only allows a client, where one or more clients are affiliated with a unique manufacturer, to view the results of queries

requested by that client's affiliated manufacturer. In a preferred embodiment, the queries requested by a manufacturer are constrained by specific confidential rules. Such confidentially rules may include that (1) a manufacturer may not formulate a query of data related to the specific sales of a particular pharmaceutical produced by a competitive manufacturer; (2) a manufacturer may formulate a query to see the trend of a particular pharmaceutical produced by a competitive manufacturer, where a trend is simply one of a "up," "down" or "no activity" indicator, illustrating if a particular pharmaceutical from a competitive manufacturer has exceed a predefined fixed percentage threshold set by the querying manufacturer; and/or (3) a manufacturer may be permitted to formulate a query relating to the specific sales of a particular pharmaceutical if such query requests a grouping of sales data of three or more competitive manufacturers in a form where individual manufacturer data cannot be parsed. Preferably, a manufacturer may also be permitted to formulate a query of sales data related to a particular pharmaceutical for a competitive manufacturer only if such particular pharmaceutical is queried at a territory level, where a territory includes multiple zip codes, and where such territory include a minimum predefined number of non-retail outlets in such territory. This is simply the first level of security. In addition to this level of security, the clients preferably have unique login information to properly identify and authenticate the end users. Clients 312, 314, 316 are served with the reporting data via server 310 (also see step 416 of FIG. 4).

10

20

25

Extraction unit 302, outlet-facility unit 304, zip code unit 306, facilityaffiliated physician unit 320, diagnosis-treatment unit 308, and server unit 310 communicate
and pass data over data bus 322. Data bus 322 also comprises a database for the caching of
data, when needed as between the above aforementioned units.

The above system and method may be implemented by many computer languages commonly known in the art and may operate on many computer platforms which include both volatile and non-volatile memory storage devices. In a preferred embodiment, the system and method of the present invention is implemented, in whole or in part, in a multi-tiered architecture consisting of a mainframe computer and distributed network servers, including Unix and windows web servers. Software code encapsulating the functionality of the present inventive technique may be implemented on such computer systems, preferably written in COBOL, SAS, JCL, C, C++, Kom/Unix Shell, ASP, and/or Visual Basic. Preferably data and the results of the data queries are stored in one or more relational

databases, which provide resultant data to a graphical user interface ("GUI"), where the GUI features a presentation layer included therein. Further, the system and method of the present invention, as described above, may alternatively be implemented on transportable media, preferably a CD-ROM.

Although the invention has been described herein by reference to an exemplary embodiment thereof, it will be understood that such embodiment is susceptible of modification and variation without departing from the inventive concepts disclosed. All such modifications and variations, therefore, are intended to be encompassed within the spirit and scope of the appended claims.

5

CLAIMS

5

10

20

25

 A system for inter-relating pharmaceutical delivery information from a manufacturer or distributor of pharmaceuticals with one or more reference datum, comprising:

an input for receiving said pharmaceutical delivery information;

a reference data unit storing said one or more reference datum, said reference
datum sharing at least one cross relational property to said pharmaceutical delivery
information:

- an extraction unit, coupled to said input and receiving pharmaceutical delivery information therefrom, and coupled to said reference data unit and receiving said one or more reference datum therefrom, for augmenting said pharmaceutical delivery information in order to provide pharmaceutical delivery information with inter-related reference datum.
- The system of claim 1, wherein said reference data unit comprises an outletfacility unit for providing relationship information between an outlet and a facility, said

 extraction unit receiving said relationship information and augmenting said pharmaceutical delivery information to include said relationship information with said facility.
 - 3. The system of claim 2, wherein said extraction unit uses interpolation to augment said pharmaceutical delivery information based upon said relationship information of prior purchases of pharmaceuticals contained in said pharmaceutical delivery information, said pharmaceuticals being delivered to sub-outlets.
 - The system of claim 2, wherein said reference data unit comprises a zip code unit providing postal zip code pertaining to said facility.
 - The system of claim 2, wherein said reference data unit comprises a zip code unit providing a virtual facility for a zip code for one or more outlets in said zip code which are not related to an actual facility.
 - 6. The system of claim 2, wherein said reference data unit comprises a facility-affiliated physician unit providing physician information between facilities and physicians practicing in said facilities, said extraction unit receiving said physician information and augmenting said pharmaceutical delivery information to include said physician information.
- The system of claim 1, wherein said reference data unit comprises a diagnosistreatment unit providing a cross reference between pharmaceuticals and medical diagnosis.

said extraction unit receiving said cross reference and augmenting said pharmaceutical delivery information to include said cross reference information.

- The system of claim 7, wherein said data from said diagnosis-prescription unit is retrieved from an external database.
- The system of claim 1 further comprising a server unit, said server unit providing reports to clients, said reports generated from pre-defined queries.

5

15

20

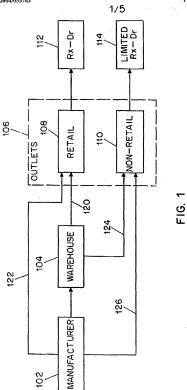
- 10. The system of claim 1, wherein said extract data is received weekly.
- The system of claim 1, wherein said extract data is received monthly.
- 12. A method for inter-relating pharmaceutical delivery information from a manufacturer or distributor of pharmaceuticals with one or more reference datum, comprising:

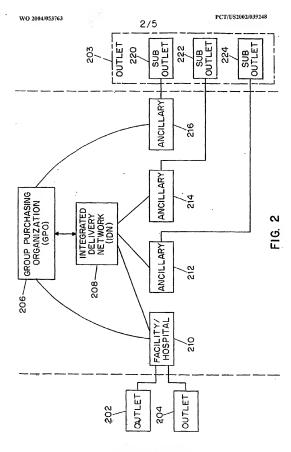
receiving an input comprising pharmaceutical delivery information;
receiving one or more reference datum, said reference datum sharing at least
one cross relational property to a data type in said pharmaceutical delivery information; and
augmenting said pharmaceutical delivery information by inter-relating said data type in said pharmaceutical delivery information with said one or more reference datum
in order to provide pharmaceutical delivery information with inter-related reference datum.

- 13. The method of claim 12, wherein said step of receiving said one or more reference datum comprises receiving data pertaining to a relationship between an outlet and a facility.
- 14. The method of claim 13, wherein said step of receiving said one or more reference datum comprises receiving zip code data pertaining to said facility.
 - 15. The method of claim 14, wherein said zip code is an actual postal zip code.
- 16. The method of claim 13, wherein said step of receiving said one or more 25 reference datum comprises receiving a virtual facility to relate to an outlet, said virtual facility being associated with an actual zip code.
 - 17. The method of claim 12, wherein said step of receiving said one or more reference datum comprises receiving data pertaining to a relationship between facilities and physicians.

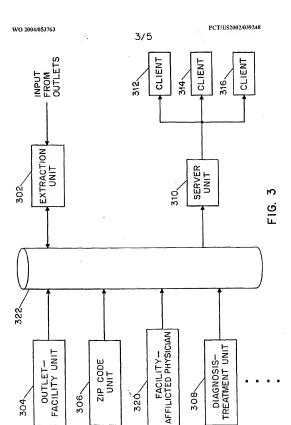
18. The method of claim 12, wherein said step of receiving said one or more reference datum comprises receiving diagnosis-treatment data, said diagnosis-treatment data comprising the inter-relationship between a pharmaceutical and at least one diagnosis.

- The method of claim 18, wherein said diagnosis-treatment data is retrieved
 from an external database.
 - The method of claim 12 further comprising transmitting reports generated from queries of said pharmaceutical delivery information to clients.
 - 21. The method of claim 12, wherein said extract data is received weekly.
 - 22. The method of claim 12, wherein said extract data is received monthly.





SUBSTITUTE SHFFT (ALII F 96)



SUBSTITUTE SHEET (ALLI F 26)-

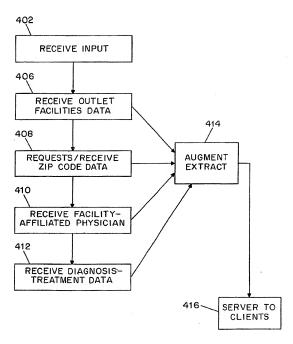
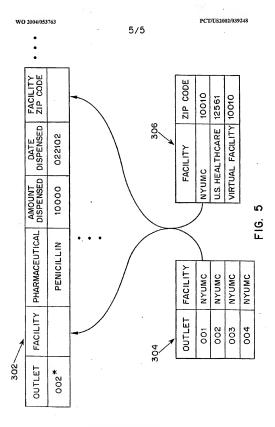


FIG. 4

SUBSTITUTE SHEET (RULE 26)

EXHIBIT 7



SUBSTITUTE SHEET (RULÉ 26).

INTERNATION SEARCH REPORT

Internacional application No.
PCT/US02/39248

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : G06F 17/60							
US CL: 705/28 According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS SEARCHED							
Minimum documentation searched (classification system followe U.S.: 705/28	Minimum documentation searched (classification system followed by classification symbols) U.S.: 705/28						
Documentation searched other than minimum documentation to	the extent that such documents are include	d in the fields searched					
Electronic data base consulted during the international search (n West - USPatents; Pubs; Derwent	ame of data base and, where practicable,	search (erms used)					
C. DOCUMENTS CONSIDERED TO BE RELEVANT							
Category * Citation of document, with indication, where		Relevant to claim No.					
A US 2002/0111828 A1 (BLODER et al.) 15 Augus [003]-[0013], [0018][0022]-[0026].		1-22					
A US 6,249,774 B1 (RODEN, et al.) 19 June 2001(59; col. 3, line 9-col. 4, line 49; col. 5, line 52-co	ol. 6, line 2; col. 7, line 56-col. 8, line	1-22					
A US 20002/0065683 A1 (PHAM et al.) 30 May 20 [0005]-[0008], [0011]-[0013], [0015], [0021]-[00	02 (30.05.2002) Figs. 1-3, Abstract, 24], [0031]-[0037], [0077], [0086]-	1-22					
[0087], [0103]-[0137], [0144], [0148], [0150], [0	160].						
		Į.					
·							
		1					
Further documents are listed in the continuation of Box C							
Special categories of cited documents:	The later document published after the in date and not in conflict with the appl principle or theory underlying the in-	liestion but elted to understand the					
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; th	e claimed invention connor be					
"B" earlier application or patent published on or after the international filling date	considered novel or cannot be considered when the document is taken alone	fared to involve an inventive step					
establish the publication date of another citation or other special reason (as specified)	specified) combined with one or more other such documents, such combination						
 "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the 	being obvious to a person skilled in document member of the same pater						
priority disculated Date of the actual completion of the international search	Date of mailing of the international ac	arch report					
11 March 2003 (11.03.2003)	Date of mailing of the international see	3					
Name and mailing address of the ISA/US	Authorized officer						
Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231	Richard Chilcon						
Washingon, D.C. 20031							

Facsimile No. (703)305-3230 Form PCT/ISA/210 (second sheet) (July 1998)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applica 35477-		or agent's file reference	FOR FURTHER ACTION	see Notific (Form PC' below.	ation of Transmittal of International Search Report I/ISA/220) as well as, where applicable, item 5			
International application No. PCT/US02/39248			International filing date (day/mon 06 December 2002 (06.12.2002)	uh/year)	(Earliest) Priority Date (day/month/year)			
Applica IMS H		H INCORPORATED			·			
applica	int ac	cording to Article 18. A co	n prepared by this International S py is being transmitted to the Inte of a total of sheets. It by a copy of each prior art docu	ernational	Bureau.			
1. Ba	. 1		the international search was carried , unless otherwise indicated under		basis of the international application in the			
b.		Authority (Rule 23.1(b)). Vith regard to any nucleotide			e international application furnished to this e international application, the international			
		contained in the internation	al application in written form.		i			
		filed together with the inter	national application in computer re	adable for	n.			
		furnished subsequently to the	nis Authority in written form.					
Ē		furnished subsequently to this Authority in computer readable form.						
		the statement that the subse- international application as		listing doe	es not go beyond the disclosure in the			
		the statement that the information been furnished.	nation recorded in computer readal	ble form is	identical to the written sequence listing has			
2.		Certain claims were found	l unsearchable (See Box I).					
3.		Unity of invention is lacki	ng (See Box II).					
4. 1	Vith re	gard to the title,						
4	즥	the text is approved as subr						
L	┙	the text has been establishe	d by this Authority to read as follo	ws:				
5. W	ilith -	gard to the abstract,						
, r	7	the text is approved as subr	nitted by the applicant					
k	☆			sie Anthori	ty as it appears in Box III. The applicant			
L	<u> </u>				rch report, submit comments to this			
6. T	he fig	ure of the drawings to be pu	blished with the abstract is Figure	No. 4				
	J	as suggested by the applica	nt.		None of the figures			
		because the applicant failed	to suggest a figure.					
	X	because this figure better of	haracterizes the invention.					

Form PCT/ISA/210 (first sheet) (July 1998)

INTERNATION/ SEARCH REPORT

International application No.

PCT/_ J2/39248

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

NEW ABSTRACT

A system and method of inter-relating multiple data types to provide a comprehensive data output reflecting nex-retail tales of pharmaceuticals is disclosed. In particular, the system and method of the present invention provides for receiving mon-retail pharmaceutical delivery information of pharmaceutical deliver to outsite from manufacturer or of distributors, where the data is primarily inconsistent and features many voids (102, 104, 202-204). The present invention inter-relates one or more reference data in retail or the contract of the pharmaceutical deliver information are populated and/or verified (414). The present invention also provides means to configure pre-defined queries of the data extract for efficient service of reports for clients (416).

Form PCT/ISA/210 (continuation of first sheet(2)) (July 1998)

EXHIBIT 7

FAIENI COUPERATION IREATT From the INTERNATIONAL SEARCHING AUTHORITY PAUL A. RAGUSA BAKER BOTTS L. L. P. NOTIFICATION OF TRANSMITTAL OF 30 ROCKEFELLER PLAZA NEW YORK, NY 10112-4498 THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION (PCT-Rule 44.1) Date of Mailing (day/month/year) 29 MAY 2003 Applicant's or agent's file reference 35477-PCT FOR FURTHER ACTION See paragraphs 1 and 4 below International filing date International application No. PCT/US02/39248 (day/month/year) 06 December 2002 (06.12.2002) Applicant IMS HEALTH INCORPORATED The applicant is hereby notified that the international search report has been established and is transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report. Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made. 4. Reminders Shortly after 18 mouths from the priority date, the International application will be published by the International Bureau. If the applicant widnes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority eliant, many create the International Bureau as provided in Euleu 90 Maria and 90 days, respectively, better the completion of the technical preparations for international publication. Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even latec); otherwise the applicant must, within 20 months from the priority date, perform the prescribed acts for

entry into the national phase before those designated Offices. In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.

Authorized office Name and mailing address of the ISA/US Commissioner for Patenta Richard Chilcot 4 (U Box PCT

Washington, D.C. 20231 Facsimile No. (703)305-3230

Form PCT/ISA/220 (April 2002) (See notes on accompanying sheet)

Docketed

Allemas in Raket #

EXHIBIT 7

PCT

NOTICE INFORMING THE APPLICANT OF THE COMMUNICATION OF THE INTERNATIONAL APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47, I(c), first sentence)

Date of mailing (day/month/year) 24 June 2004 (24.06.2004)

	To:
	RAGUSA, Paul, A. Baker Botts LLP 30 Rockefeller Plaza
	New York, NY 10112-4498 ETATS-UNIS D'AMERIQUE
1	
١	A. BEOLIVED
1	IMPORTANT NOTICE & BOTTS, L.L.P.
1	04 JUL = 1 AM IO: 35

 Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this notice:

AU, AZ, BY, CH, CN, CO, DZ, EP, HU, JP, KG, KP, KR, MD, MK, MZ, RU, TM, US

In accordance with Rule 47.1(e), third sentence, those Offices will accept the present notice as conclusive evidence that the communication of the international application has obly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the application to the designated office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

AE, AG, AL, AM, AP, AT, BA, BB, BG, BR, BZ, CA, CR, CU, CZ, DE, DK, DM, EA, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, ID, IL, IN, IS, KE, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MG, MN, MW, MX, NO, NZ, OA, OM, PH, PL, PT, RO, SC, SD, SE, SG, SK, SL, TJ, NT, NT, RT, TZ, UA, UG, UZ, VG, VN, VI, NZ, AZ, MZ, ZW

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

- Enclosed with this notice is a copy of the international application as published by the International Bureau on 24 June 2004 (24.06.2004) under No. WO 2004/053763
- 4. TIME LIMITS for filing a demand for international preliminary examination and for entry into the national phase

The applicable time limit for enering the national phase will, subject to what is said in the following paragraph, be 30 MONTIES from the priority date, not only in raspect of any elected Office if a demand for international pelleminary examination is filled before expiration of 19 months from the priority date, but also in respect of any designated Office, in the absence of filing of such demand, where Article 22(1) as modified with effect from 1 April 2002 applies in respect of that designated Office. For further deadls, see PCT Great No. 44/2001 of 1 November 2001, pages 19926, 19932 and 19934, as well as the PCT Newsletter, October and November 2001 and February 2002 Issues.

In practice, time limits other than the 30-month time limit will continue to apply, for various periods of time, in respect of certain designated or elected Offices. For regular updates on the applicable time limits (20, 21, 30 or 31 months, or other time limit), (30 or Office, refer to the PCT Oscaree, the PCT Noveletor and the PCT Applicant's Guide, Volume II, National Chapters, all available from WPC's Internet sic, at http://www.nyo.intry/teriodack.triml.

For filing a demand for international preliminary examination, see the PCT Applicant's Guide, Volume UA, Chapter IX. Only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international perliminary examination for present, all PCT Contracting states are bound by Chapter II).

It is the applicant's sole responsibility to monitor all these time limits.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Yoshiko Kuwahara		
Facsimile No.+41 22 740 14 35	Facsimile No.+41 22 338 90 90		